zenith

SERVICE MANUAL

MODEL : XBS245

zenith

SERVICE MANUAL

Model Series:

XBS245

Product Type: Combi Home Theater System
Chassis: D35(DECK), DP5(MD)
Manual Series: XBS245
Manual Part #: 3829RGN001P
Model Line: D
Product Year: 2002

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SECTION 1

SUMMARY

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PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS

IMPORTANT SAFETY NOTICE

This manual was prepared for use only by properly trained audio-video service technicians.

When servicing this product, under no circumstances should the original design be modified or altered without permission from Zenith Electronics Corporation. All components should be replaced only with types identical to those in the original circuit and their physical location, wiring and lead dress must conform to original layout upon completion of repairs.

Special components are also used to prevent x-radiation, shock and fire hazard. These components are indicated by the letter "x" included in their component designators and are required to maintain safe performance. No deviations are allowed without prior approval by Zenith Electronics Corporation.

Circuit diagrams may occasionally differ from the actual circuit used. This way, implementation of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

CAUTION: Do not attempt to modify this product in any way. Never perform customized installations without manufacturer's approval. Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

GRAPHIC SYMBOLS

The exclamation point within an equilateral triangle is intended to alert the service personnel to important safety information in the service literature.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the service personnel to the presence of noninsulated "dangerous voltage" that may be of sufficient magnitude to constitute a risk of electric shock.

The pictorial representation of a fuse and its rating within an equilateral triangle is intended to convey to the service personnel the following fuse replacement caution notice:

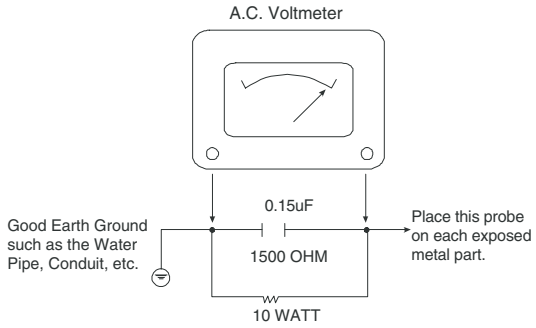
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ALL FUSES WITH THE SAME TYPE AND RATING AS MARKED NEAR EACH FUSE.

SERVICE INFORMATION

While servicing, use an isolation transformer for protection from AC line shock. After the original service problem has been corrected, make a check of the following:

FIRE AND SHOCK HAZARD

1. Be sure that all components are positioned to avoid a possibility of adjacent component shorts. This is especially important on items trans-ported to and from the repair shop.
2. Verify that all protective devices such as insulators, barriers, covers, shields, strain reliefs, power supply cords, and other hardware have been reinstalled per the original design. Be sure that the safety purpose of the polarized line plug has not been defeated.
3. Soldering must be inspected to discover possible cold solder joints, solder splashes, or sharp solder points. Be certain to remove all loose foreign particles.
4. Check for physical evidence of damage or deterioration to parts and components, for frayed leads or damaged insulation (including the AC cord), and replace if necessary.
5. No lead or component should touch a high current device or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. After reassembly of the set, always perform an AC leakage test on all exposed metallic parts of the cabinet (the channel selector knobs, antenna terminals, handle and screws) to be sure that set is safe to operate without danger of electrical shock. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST. Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner: Connect a 1500 ohm, 10 watt resistor, paralleled by a .15 mfd 150V AC type capacitor between a known good earth ground water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and .15 mfd capacitor. Reverse the AC plug by using a non-polarized adaptor and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts RMS. This corresponds to 0.5 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.


A.C. Voltmeter
0.15uF
Good Earth Ground such as the Water Pipe, Conduit, etc.
1500 OHM
Place this probe on each exposed metal part.
10 WATT

X-RADIATION

1. Be sure procedures and instructions to all service personnel cover the subject of x-radiation. The only potential source of x-rays in current TV receivers is the picture tube. However, this tube does not emit x-rays when the HV is at the factory-specified level. The proper value is given in the applicable schematic. Operation at higher voltages may cause a failure of the picture tube or high-voltage supply and, under certain circumstances may produce radiation in excess of desirable levels.
2. Only factory-specified CRT anode connectors must be used.
3. It is essential that the service personnel have available an accurate and reliable high-voltage meter.
4. When the high-voltage circuitry is operating properly, there is no possibility of an x-radiation problem. Every time a chassis is serviced, the brightness should be run up and down while monitoring the high voltage with a meter, to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. When troubleshooting and making test measurements in a product with a problem of excessively high voltage, avoid being unnecessarily close to the picture tube and the high voltage power supply. Do not operate the product longer than necessary to locate the cause of excessive voltage.
6. Refer to the CRT Anode High Voltage Measurement and Shutdown Adjustment procedures described in the appropriate text (where used).

IMPLOSION

1. All direct view picture tubes are equipped with an integral implosion protection system; take care to avoid damage during installation.
2. Use only the recommended factory replacement tubes.

TIPS ON PROPER INSTALLATION

1. Never install any receiver in a closed-in recess, cubbyhole, or closely fitting shelf space over, or close to, a heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as: outdoor patio installations where dew is a factor, near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct venting. The customer should also avoid the use of decorative scarves or other coverings that might obstruct ventilation.
4. Wall- and shelf-mounted installations using a commercial mounting kit must follow the factory-approved mounting instructions. A product mounted to a shelf or platform must retain its original feet (or the equivalent thickness in spacers) to provide adequate air flow across the bottom. Bolts or screws used for fasteners must not touch any parts or wiring. Perform leakage tests on customized installations.
5. Caution customers against mounting a product on a sloping shelf or in a tilted position, unless the receiver is properly secured.
6. A product on a roll-about cart should be stable in its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against using a cart or stand that has not been listed by Underwriters Laboratories, Inc. for use with its specific model of television receiver or generically approved for use with TVs of the same or larger screen size.
8. Caution customers against using extension cords. Explain that a forest of extensions, sprouting from a single outlet, can lead to disastrous consequences to home and family.

SERVICING PRECAUTIONS

CAUTION : Before servicing the COMBI HOME THEATER SYSTEM covered by this service data and its supplements and addends, read and follow the *SAFETY PRECAUTIONS. NOTE* : if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publications, always follow the safety precautions.
Remembers Safety First:

General Servicing Precautions

1. Always unplug the COMBI HOME THEATER SYSTEM AC power cord from the AC power source before:
   (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
   (2) Disconnection or reconnecting any internal electrical plug or other electrical connection.
   (3) Connecting a test substitute in parallel with an electrolytic capacitor.
   Caution : A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Do not spray chemicals on or near this COMBI HOME THEATER SYSTEM or any of its assemblies.

3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cotton-tipped swab, or comparable soft applicator.
   Unless specified otherwise in this service data, lubrication of contacts is not required.

4. Do not defeat any plug/socket B+ voltage interlocks with whitch instruments covered by this service manual might be equipped.

5. Do not apply AC power to this COMBI HOME THEATER SYSTEM and/or any of its electrical assemblies unless all solid-state device heat sinks are cerrectly installed.

6. Always connect test instrument ground lead to the appropriate ground before connection the test instrument positive lead. Always remove the test instrument ground lead last.

Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter(500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M-ohm.
Note 1 : Accessible Conductive Parts including Metal panels, Input terminals, Earphone jacks, etc.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor chip components.
The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grouned-tip soldering iron to solder or unsolder ES devices.

4. Use only an anti-static solder removal device. Some solder removal devices not classified a “anti-static” can generate electrical charges sufficient to damage ES devices.

5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protec tive package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material).

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

SPECIFICATIONS

General

Power requirements	AC 120V, 60 Hz
Power consumption	80W
Dimensions (approx.)	430 X 97.5 X 360 mm (16.9 x 3.9 x 14.2 inches) (w x h x d)
Mass (approx.)	7 kg (15.4 lbs)
Operating temperature	5˚C to 35˚C (41˚F to 95˚F)
Operating humidity	5 % to 90 %
Signal system	NTSC

Inputs

ANTENNA IN	Antenna or CATV input, 75 ohms
VCR VIDEO IN	1 Vp-p 75 ohms, sync negative, RCA jack x 1
VCR AUDIO IN	-6.0 dBm more than 47 kohms, RCA jack (L, R) x 1
FM ANTENNA IN	FM antenna input, 300 ohms
AM ANTENNA IN	AM antenna input, 300 ohms
DIGITAL AUDIO IN	5 V (p-p), 75 Ω, Optical connector x 1

Outputs

VIDEO OUT	1 Vp-p 75 ohms, sync negative
S-VIDEO OUT	(Y) 1.0 V (p-p), 75 ohms, negative sync, Mini DIN 4-pin x 1
	(C) 0.286 V (p-p) 75 ohms
COMPONENT VIDEO OUT	(Y) 1.0 V (p-p), 75 ohms, negative sync, RCA jack x 1
(PROGRESSIVE SCAN)	(Pb)/(Pr) 0.7 V (p-p), 75 ohms, RCA jack x 2
Audio output (analog audio)	1.1 Vrms (1 KHz, 0 dB), 330 ohms, RCA jack (L, R) x 1
RF OUT	Channel 3 or 4 (Switchable)

VCR Specifications

Head system	Four head helical scan azimuth system
Timer	12-hour display type with AM, FM
Tape speed	SP: 33.35 mm/sec, LP: 16.67 mm/sec, EP: 11.12 mm/sec
Tape width	12.7 mm
Maximum recording time	SP: 2 HOURS (T-120), EP: 6 HOURS (T-120)/8 HOURS (T-160)
Rewind time	About 150 seconds (T-120)
Antenna	75 ohms (VHF/UHF)
Channel coverage	VHF: 2-13, UHF: 14-69, CATV: 1-125 (4A, A-W, W+1 - W+84, A-5 - A-1)
Frequency range	20Hz to 20kHz
Signal-to-noise ratio	More than 43dB
Dynamic range	More than 90 dB (AUDIO OUT jacks only)
Channel separation	More than 65 dB (AUDIO OUT jacks only)

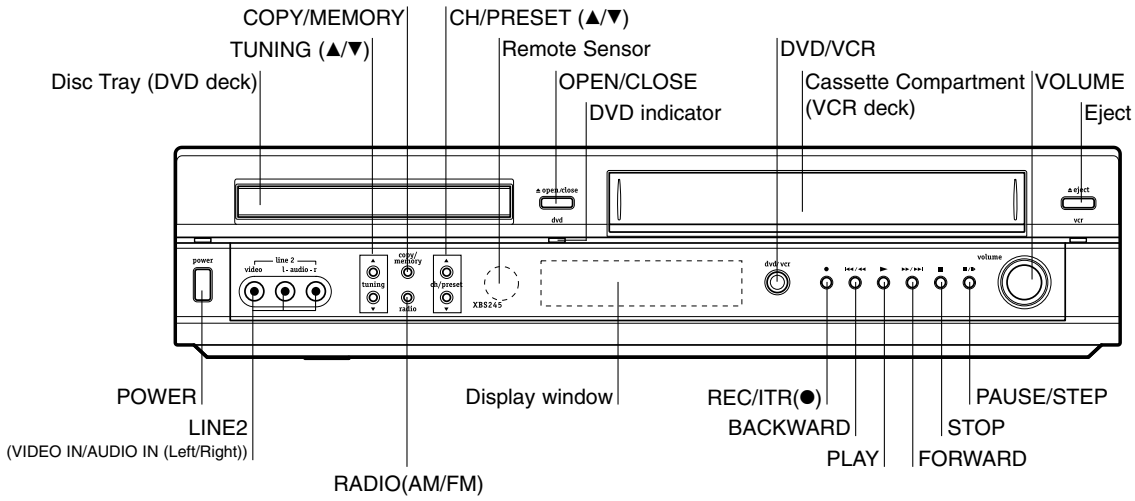
DVD Specifications

Laser system	Semiconductor laser, wavelength 650 nm
Frequency response	DVD (PCM 48 kHz): 8 Hz to 22 kHz, CD: 8 Hz to 20 kHz
Signal-to-noise ratio	More than 100dB (AUDIO OUT jacks only)
Harmonic distortion	Less than 0.008%
Dynamic range	More than 95 dB (AUDIO OUT jacks only)

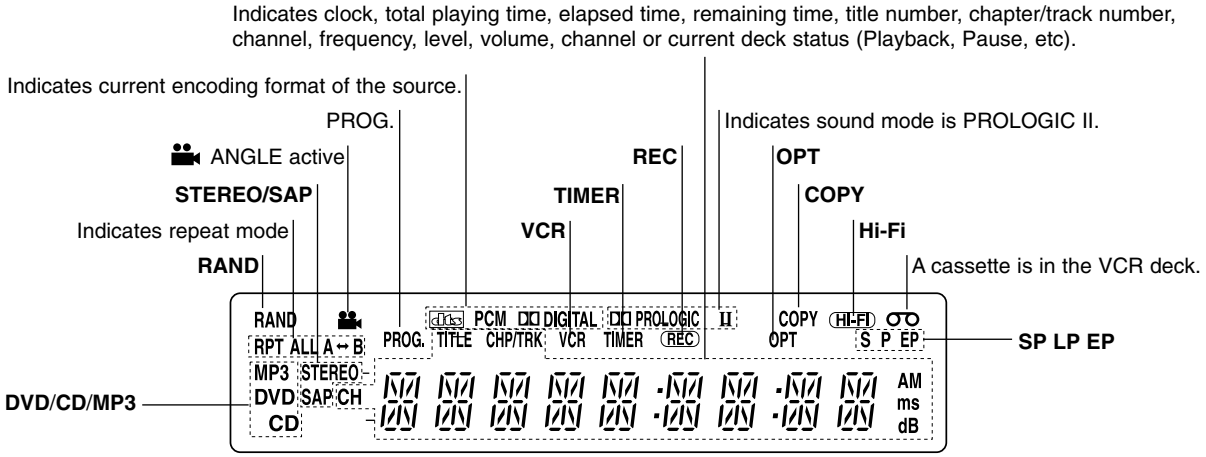
FRONT VIEW(XBS245)

LOCATION OF CUSTOMER CONTROLS

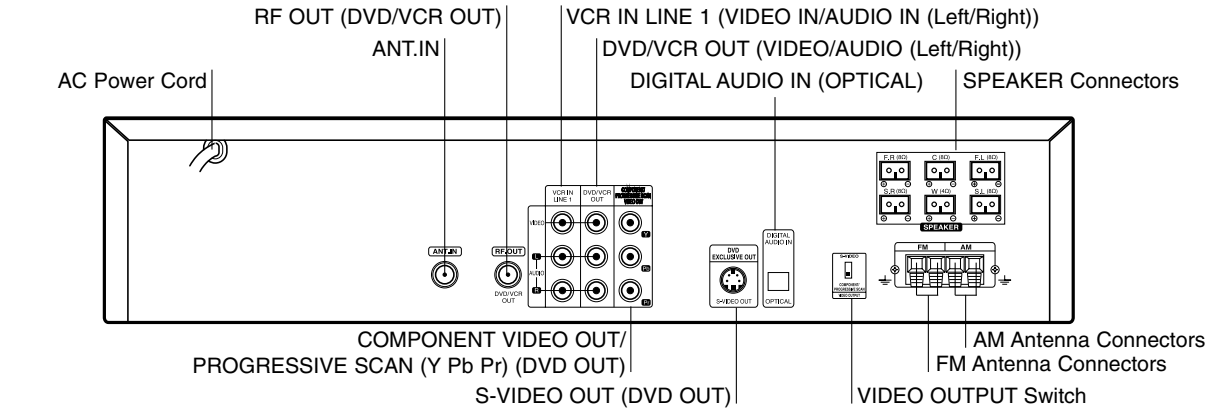
FRONT



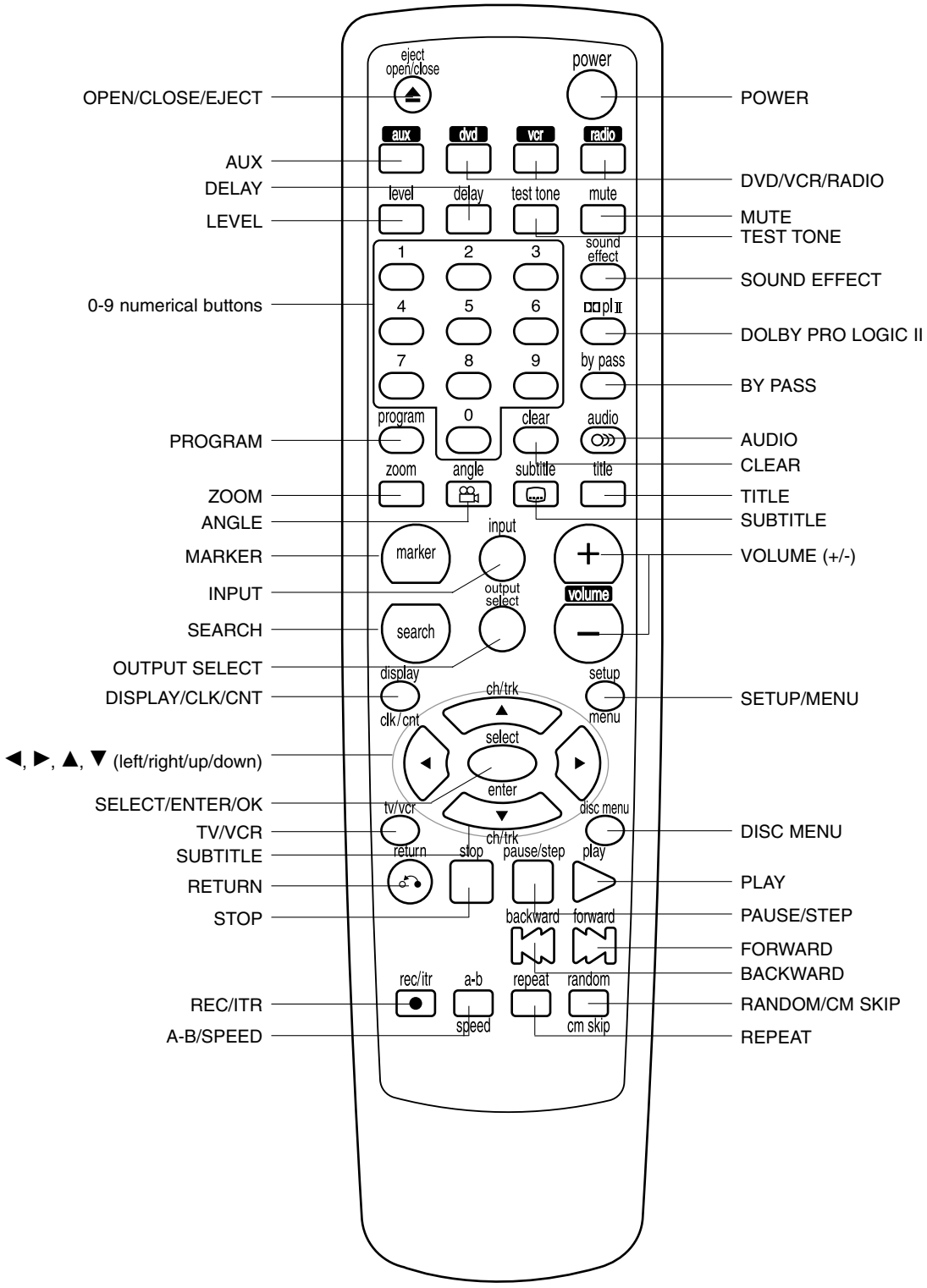
INDICATOR PANEL



REAR



REMOTE CONTROL



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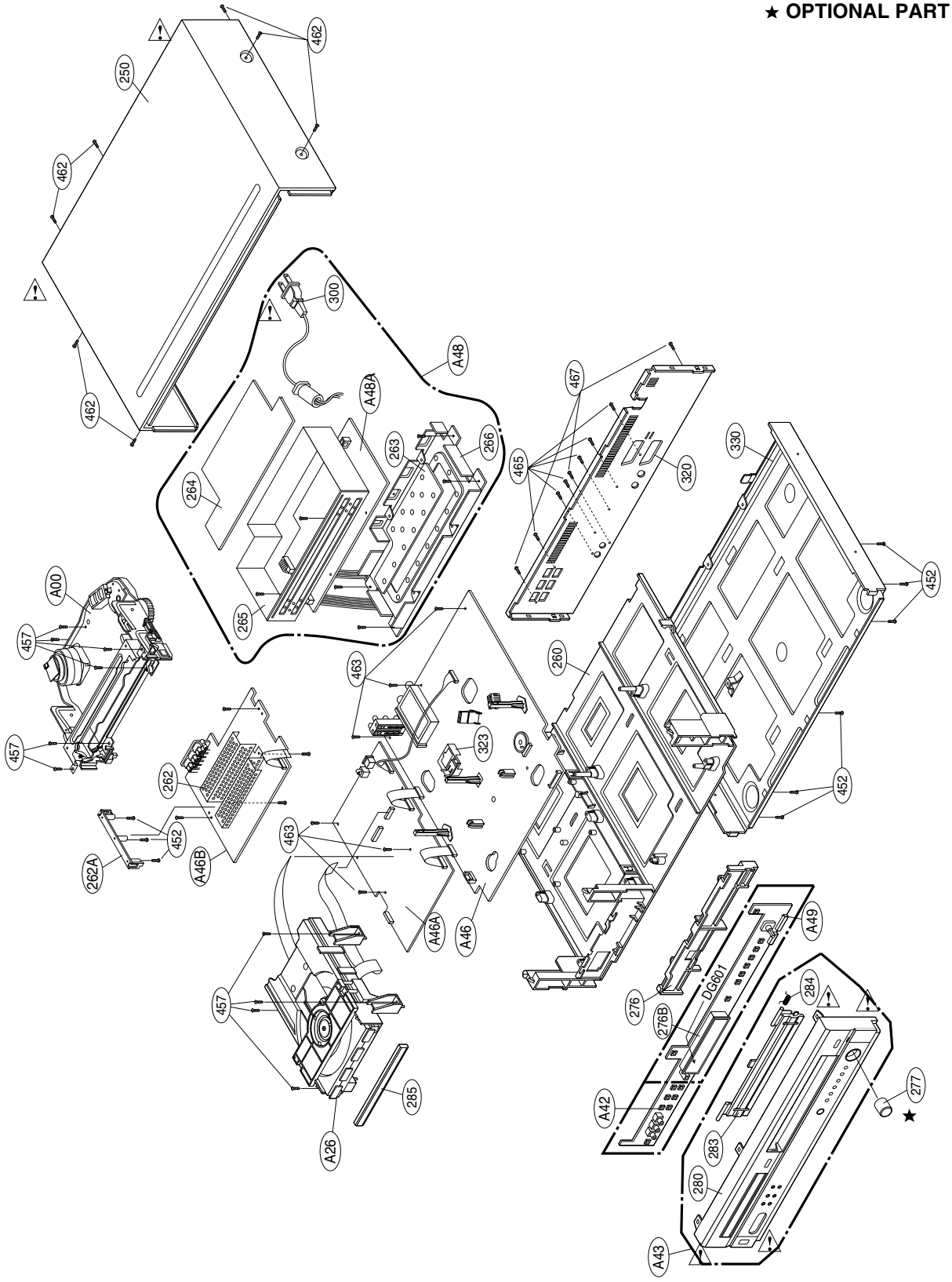
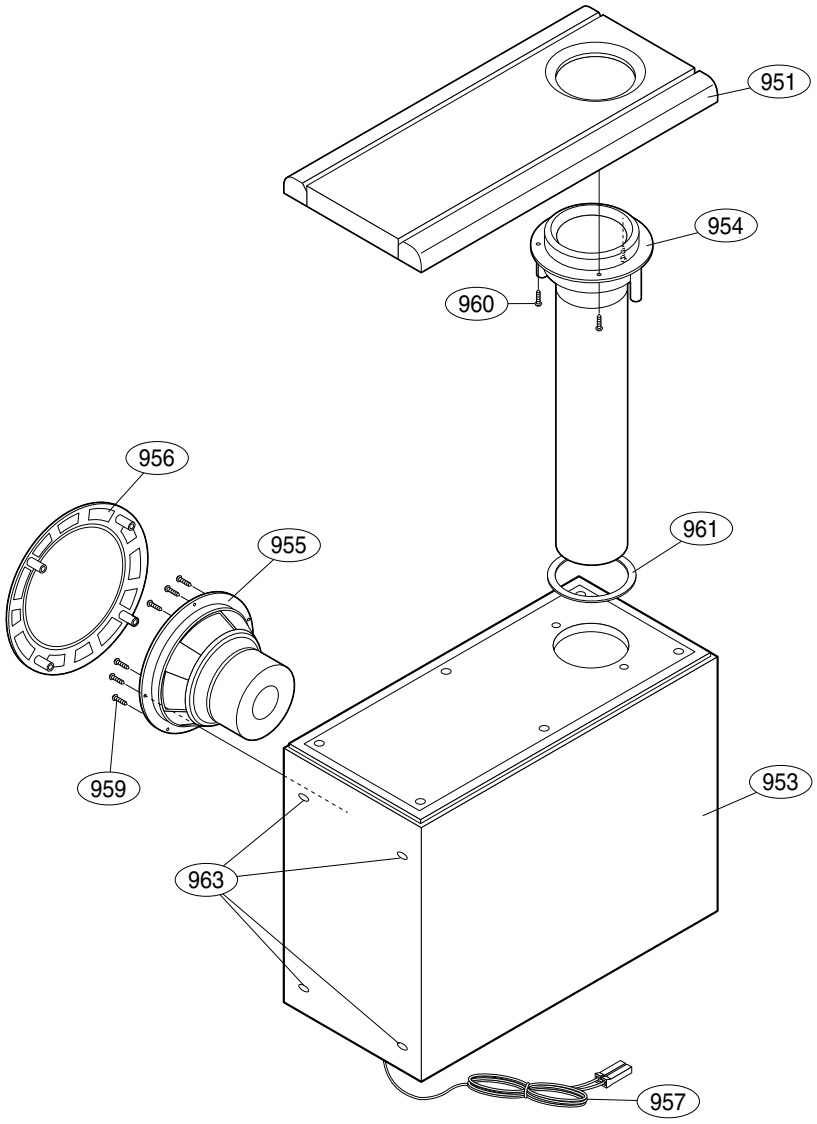
EXPLODED VIEWS

1. Cabinet and Main Frame Section

★ OPTIONAL PART

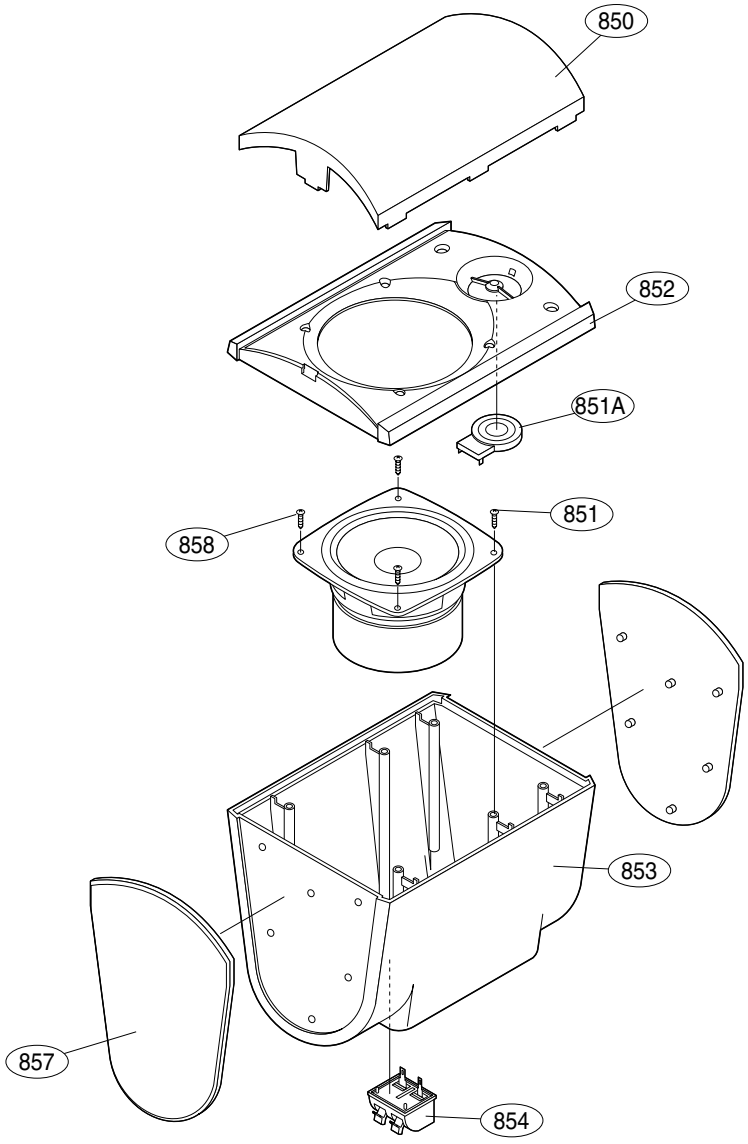


2. Woofer Speaker Section (DTE-5100WE)



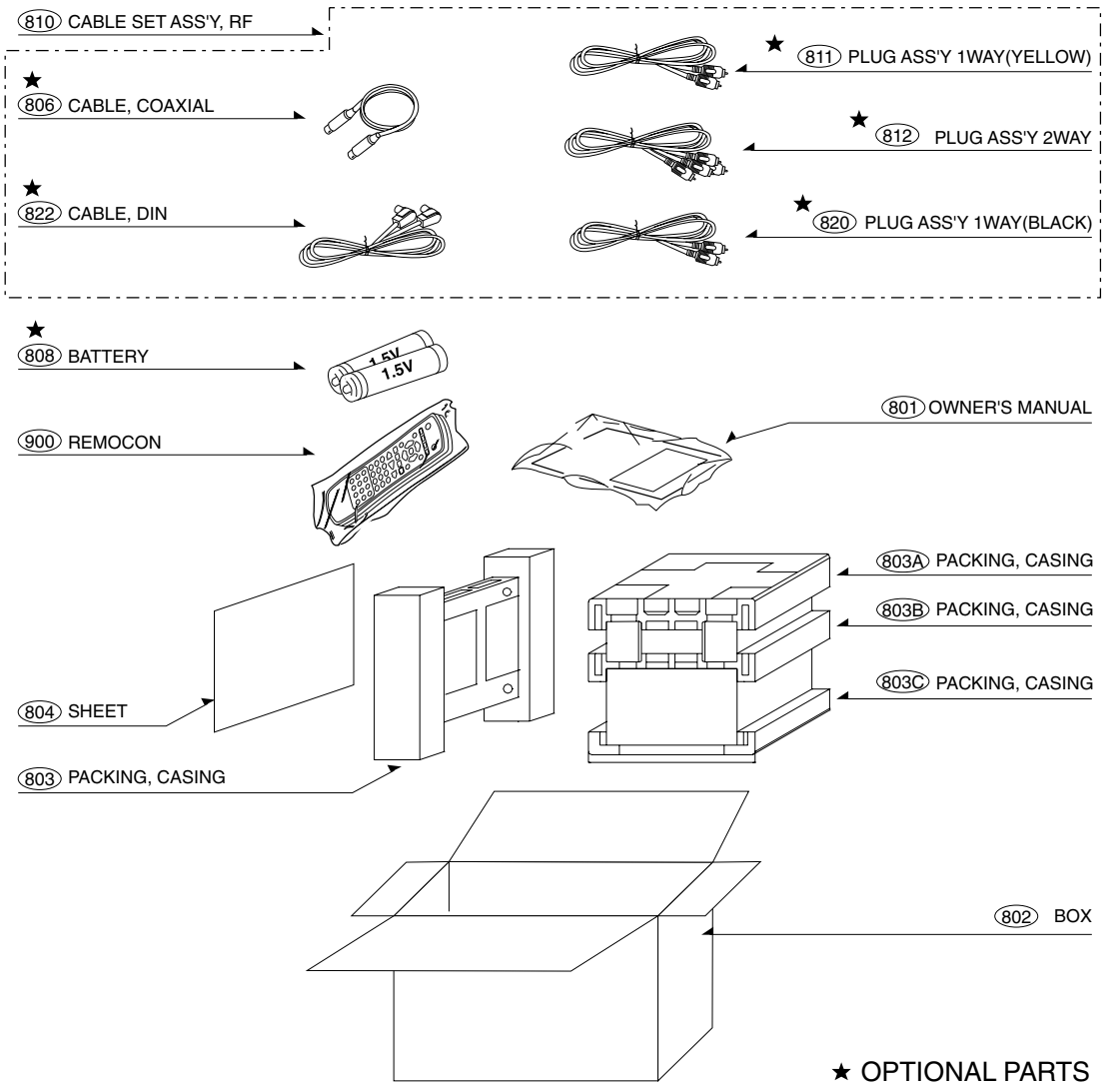
• Woofer Speaker Section Part List

3. Speaker Section (DTE-550TE)



• Speaker Section Part List

4. Packing Accessory Section



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VCR PART
ELECTRICAL ADJUSTMENT PROCEDURES

1. Servo Adjustment

1) PG Adjustment

• Test Equipment

a) OSCILLOSCOPE	C) PAL MODEL : PAL SP TEST TAPE
b) NTSC MODEL : NTSC SP TEST TAPE	

• Adjustment And Specification

MODE	MEASUREMENT POINT	ADJUSTMENT POINT	SPECIFICATION
PLAY	V.Out H/SW(W136, W141)		6.5 ± 0.5H

• Adjustment Procedure

a) Insert the SP Test Tape and play.
Note - Adjust the distance of X, pressing the Tracking(+) or Tracking(-) when the “ATR” is blink after the SP Test Tape is inserted.

b) Connect the CH1 of the oscilloscope to the H/SW(W136, W141) and CH2 to the Video Out for the VCR.

c) Trigger the mixed Combo Video Signal of CH2 to the CH1 H/SW(W136, W141), and then check the distance (time difference), which is from the selected A(B) Head point of the H/SW(W136, W141) signal to the starting point of the vertical synchronized signal, to 6.5H ± 0.5H (416μs, 1H=64μs).

• PG Adjustment Method

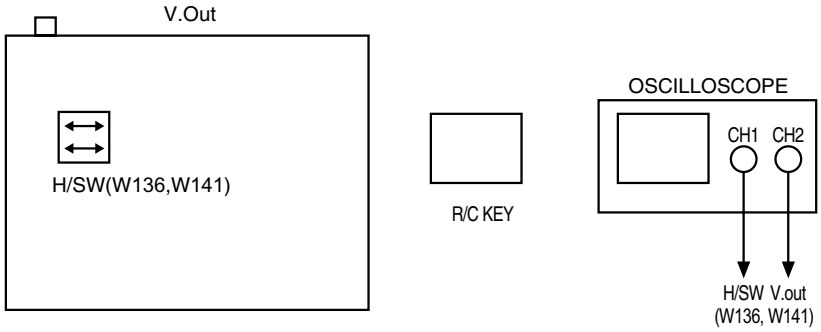
a-1) Payback the SP standard tape

b-2) Press the “1” key on the Remote controller and the “PLAY” key on the Front Panel the same time, then it goes in to Tracking initial mode. (Note : NTSC Model “1” key on Remote controller)

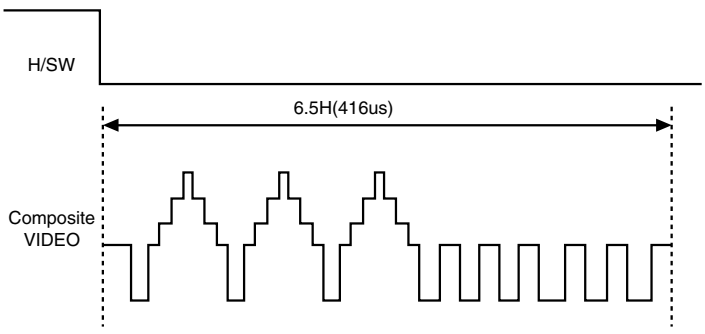
c-3) Repeat the above step(No.b-2), then it finishes the PG adjusting automatically.

d-4) Stop the playback, then it goes out to PG adjusting mode after mony the PG data.

• CONNECTION



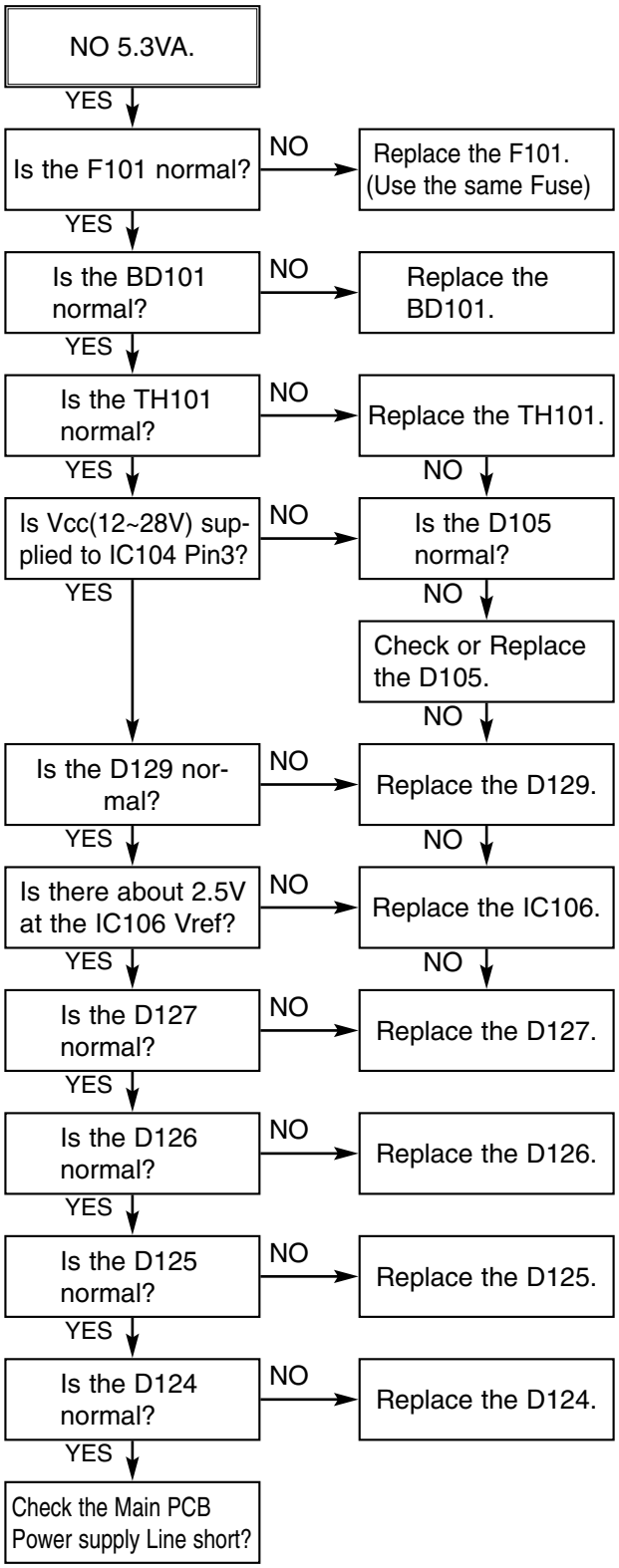
• WAVEFORM



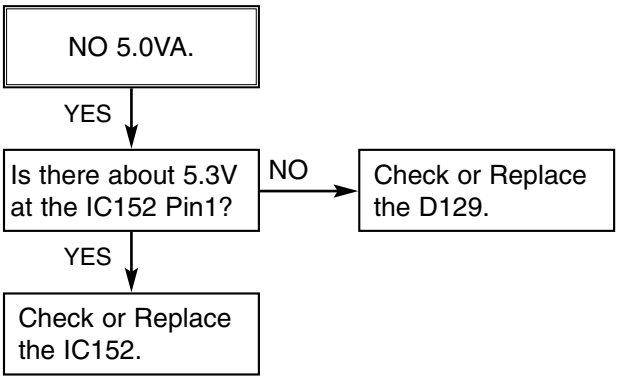
ELECTRICAL TROUBLESHOOTING GUIDE

1. Power(SMPS) CIRCUIT

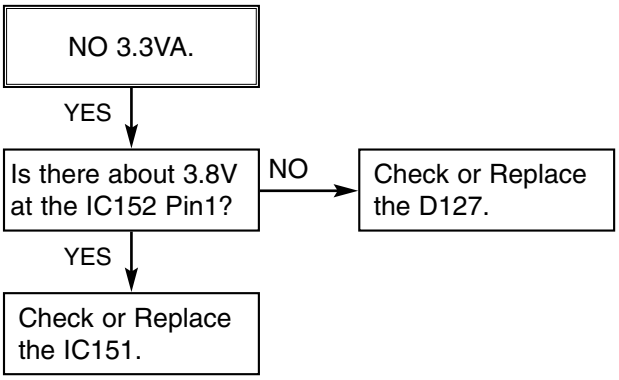
(1) No 5.3VA (SYS/Hi-Fi/TUNER)



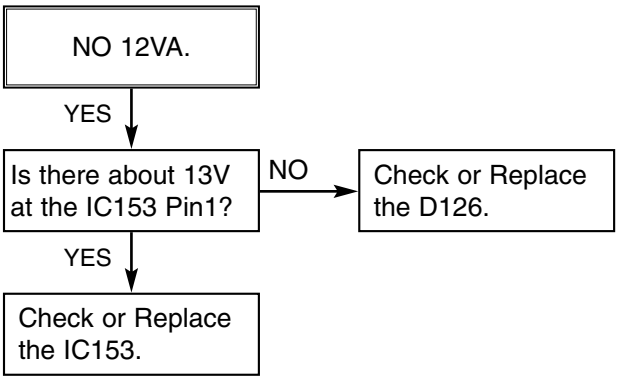
(2) No 5.0VA



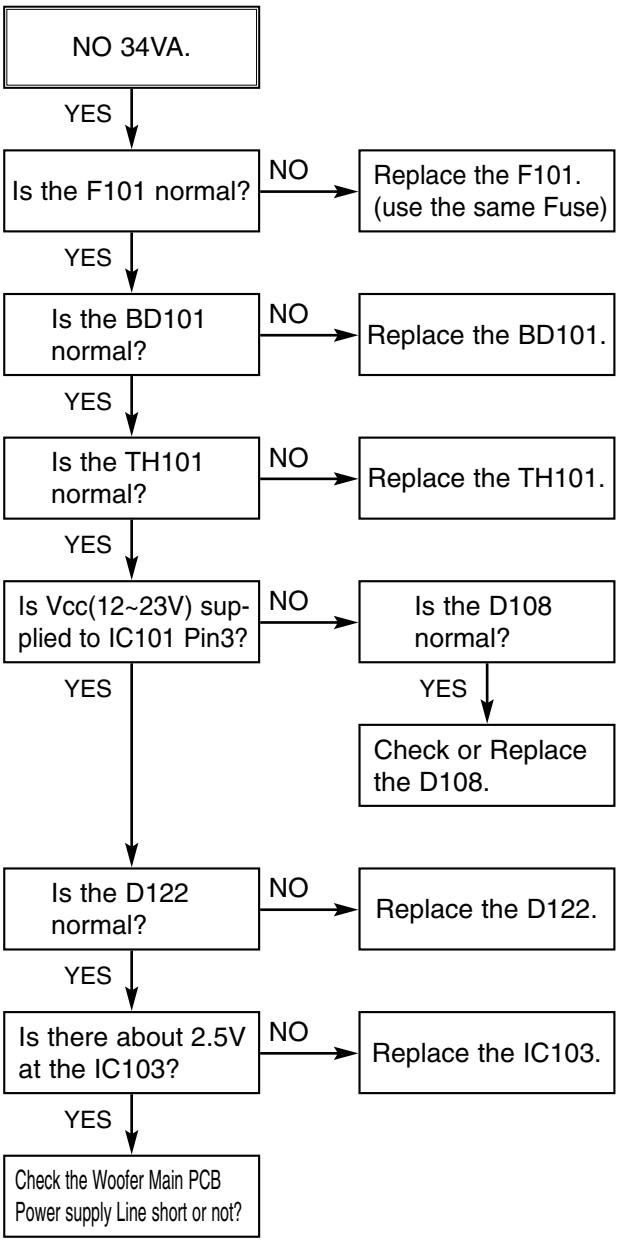
(3) No 3.3VA



(4) No 12VA

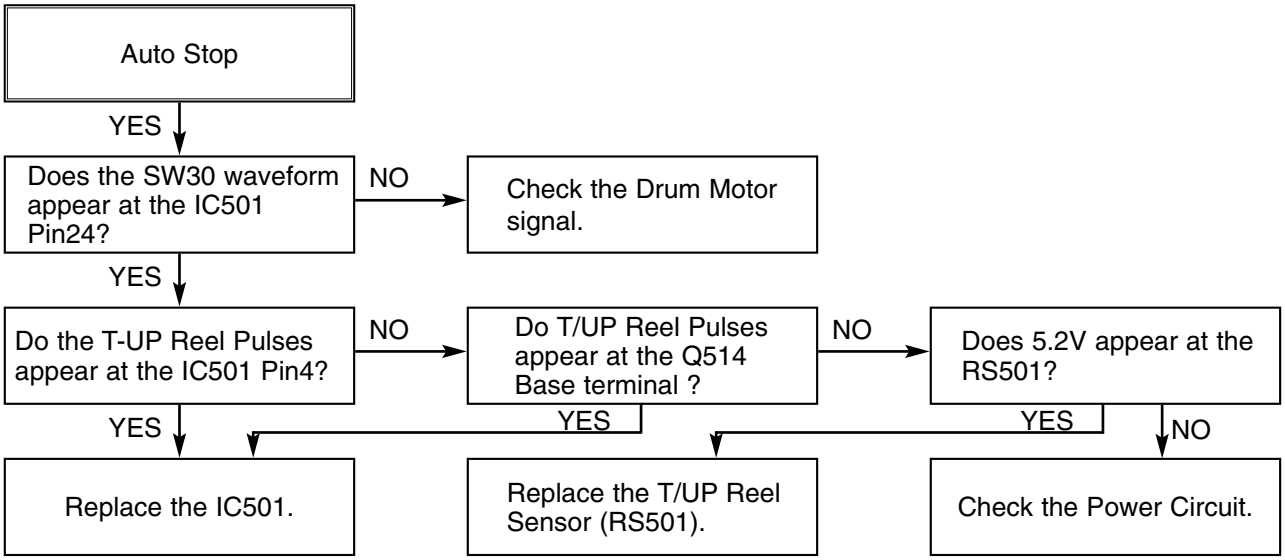


(5) No 34VA

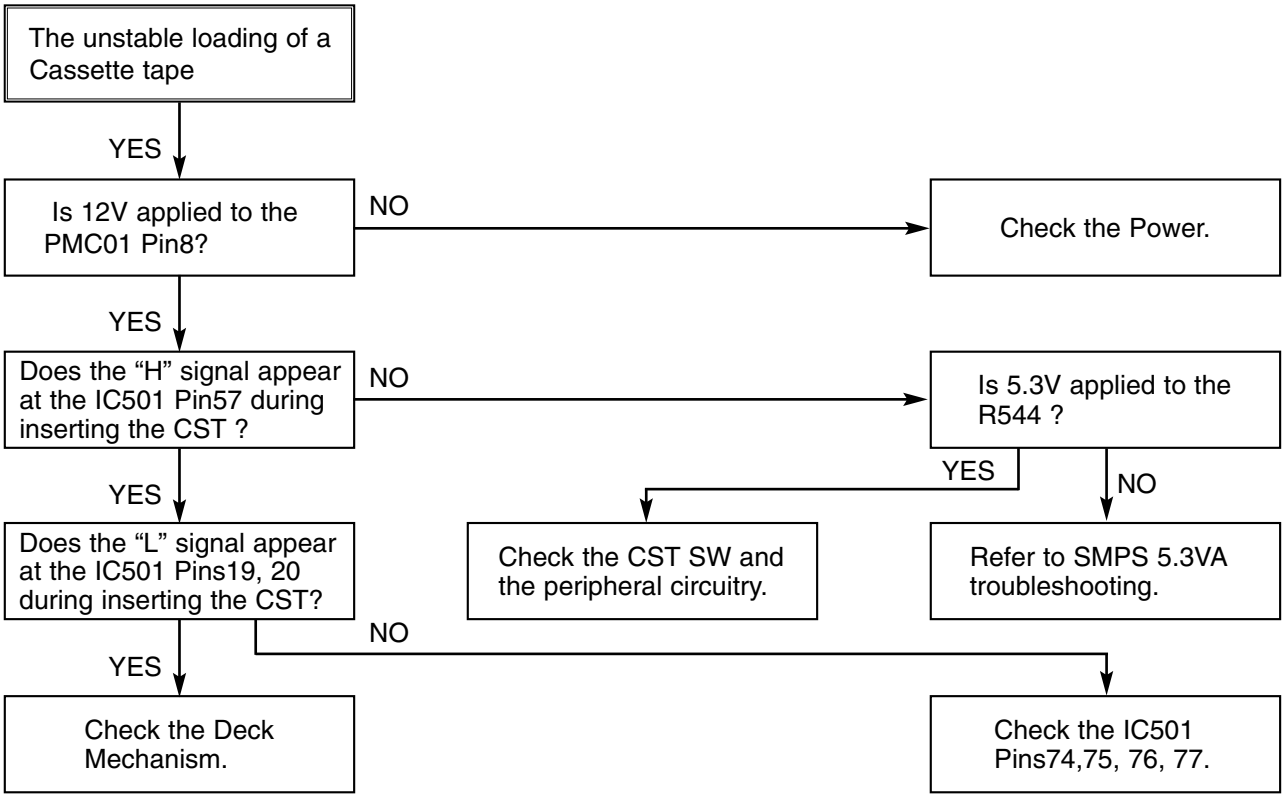

NO 34VA.
YES
Is the F101 normal?
NO
Replace the F101. (use the same Fuse)
YES
Is the BD101 normal?
NO
Replace the BD101.
YES
Is the TH101 normal?
NO
Replace the TH101.
YES
Is Vcc(12~23V) supplied to IC101 Pin3?
NO
Is the D108 normal?
YES
Check or Replace the D108.
YES
Is the D122 normal?
NO
Replace the D122.
YES
Is there about 2.5V at the IC103?
NO
Replace the IC103.
YES
Check the Woofer Main PCB Power supply Line short or not?

2. SYSTEM/KEY CIRCUIT

(1) AUTO STOP



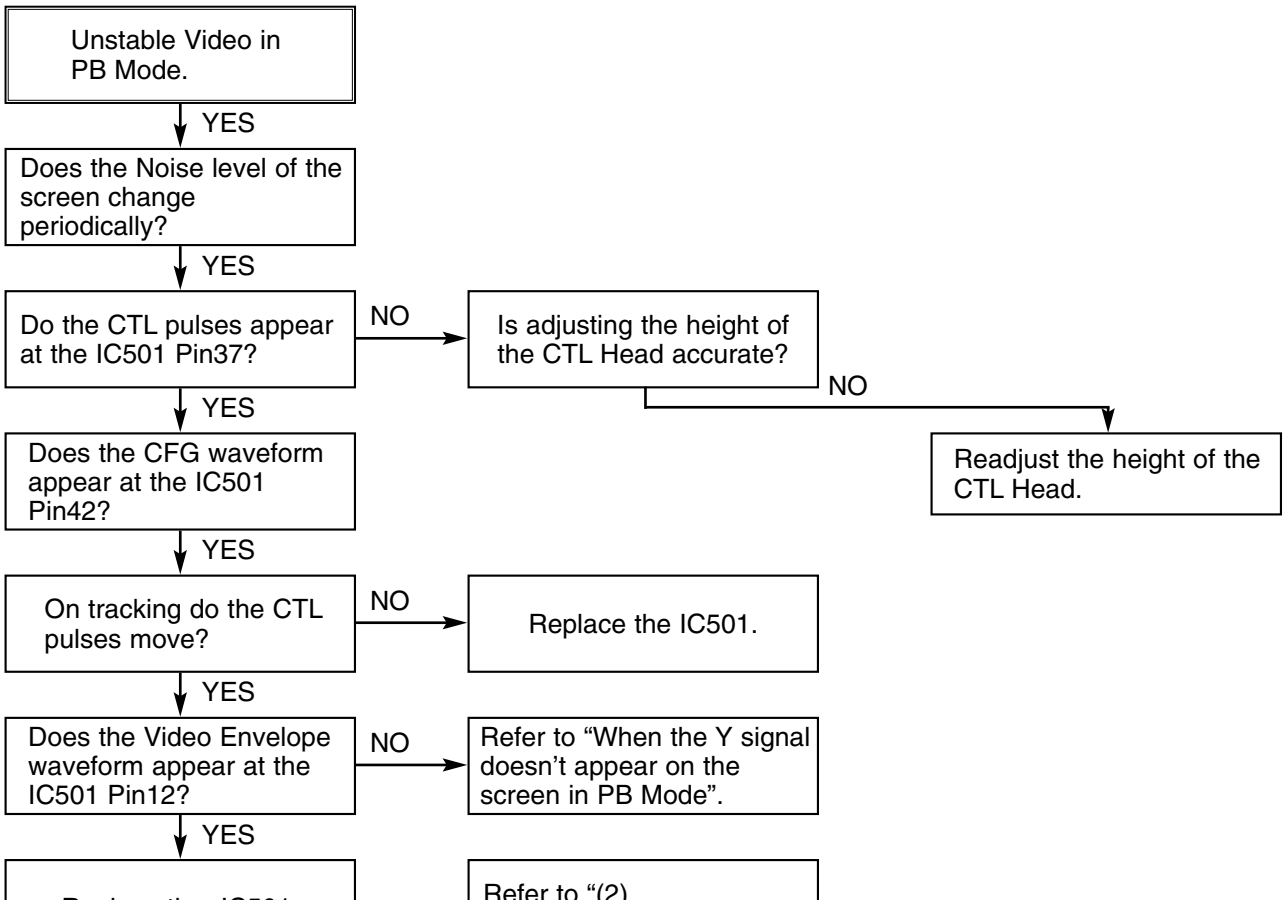
(2) The unstable loading of a Cassette tape


The unstable loading of a Cassette tape
YES
Is 12V applied to the PMC01 Pin8?
NO
Check the Power.
YES
Does the “H” signal appear at the IC501 Pin57 during inserting the CST ?
NO
Is 5.3V applied to the R544 ?
YES
NO
YES
Does the “L” signal appear at the IC501 Pins19, 20 during inserting the CST?
Check the CST SW and the peripheral circuitry.
Refer to SMPS 5.3VA troubleshooting.
NO
YES
Check the Deck Mechanism.
Check the IC501 Pins74,75, 76, 77.

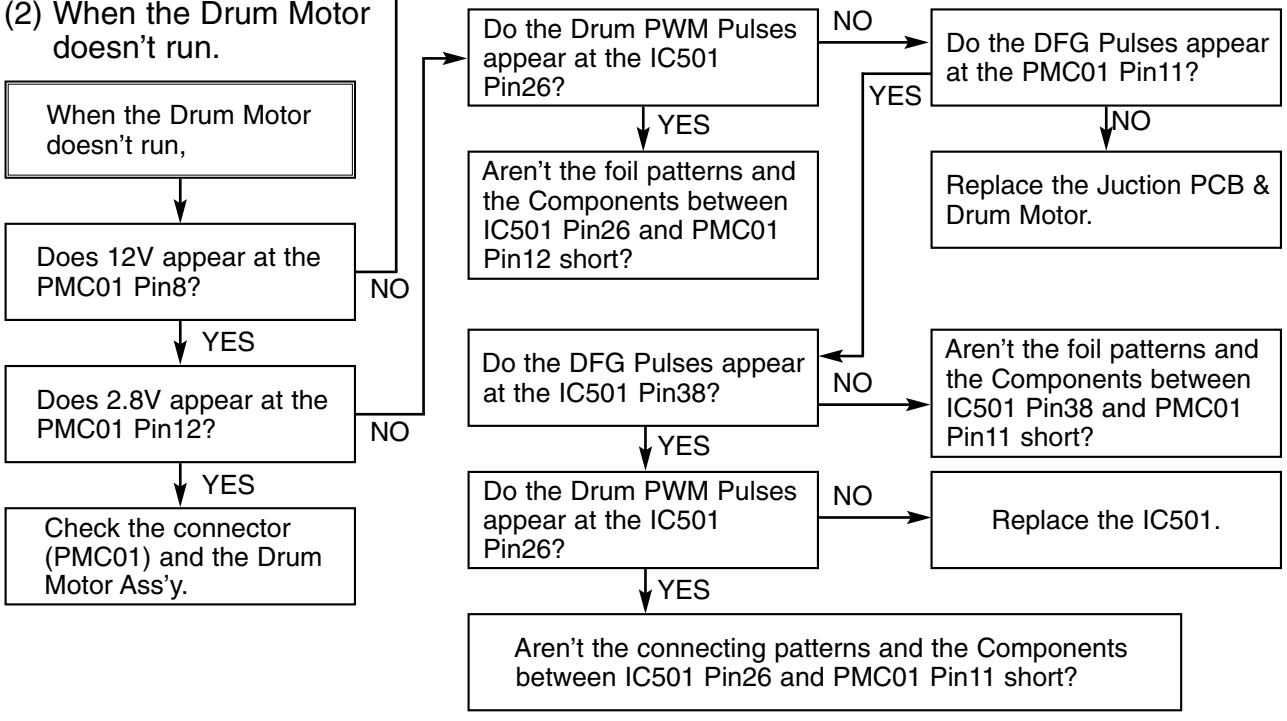
Caution : Auto stop can occur because Grease or Oil is dried up

3. SERVO CIRCUIT

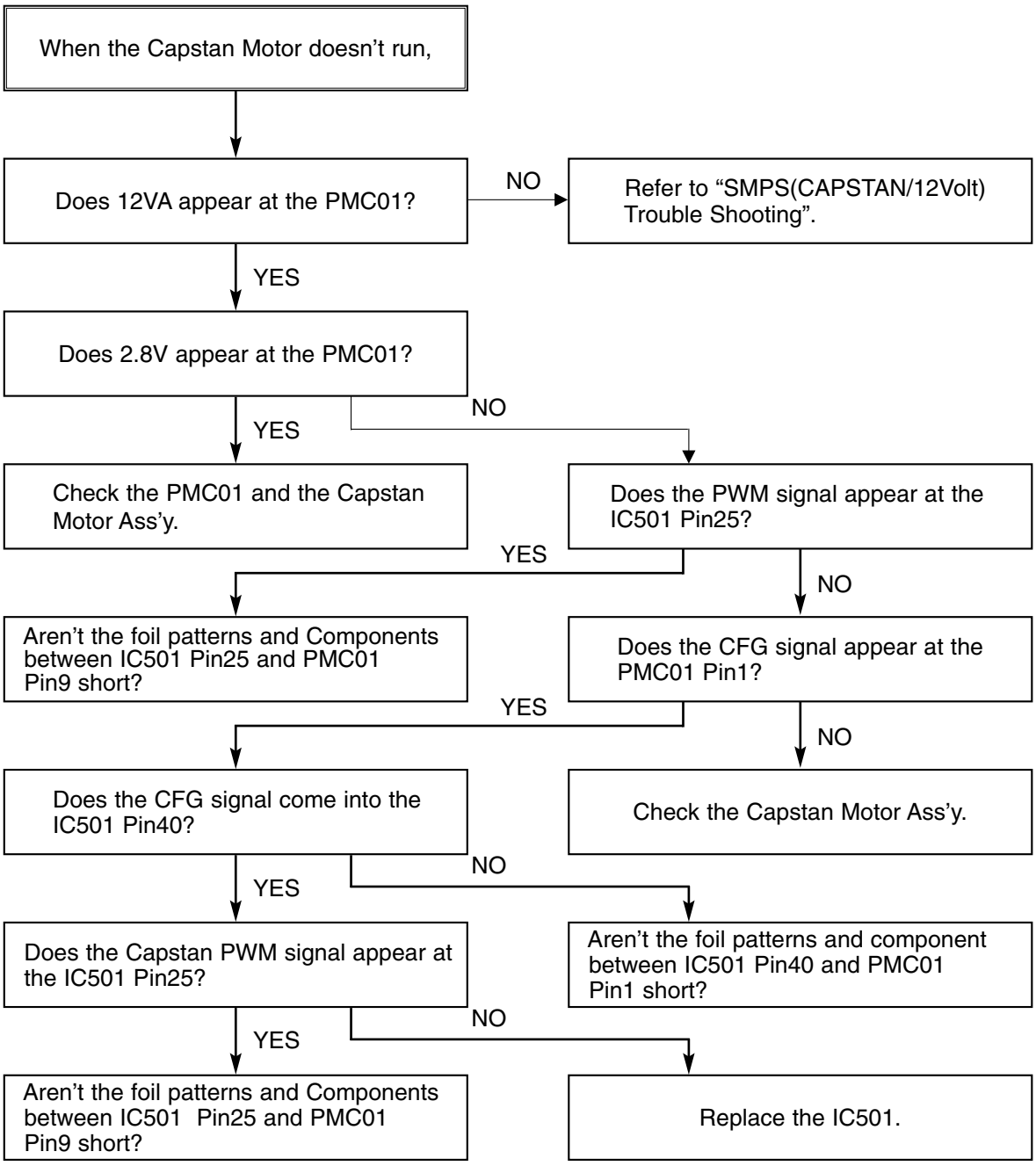
(1) Unstable Video in PB MODE


Unstable Video in PB Mode.
YES
Does the Noise level of the screen change periodically?
YES
Do the CTL pulses appear at the IC501 Pin37?
NO
Is adjusting the height of the CTL Head accurate?
NO
Readjust the height of the CTL Head.
YES
Does the CFG waveform appear at the IC501 Pin42?
YES
On tracking do the CTL pulses move?
NO
Replace the IC501.
YES
Does the Video Envelope waveform appear at the IC501 Pin12?
NO
Refer to "When the Y signal doesn't appear on the screen in PB Mode".
YES
Replace the IC501.

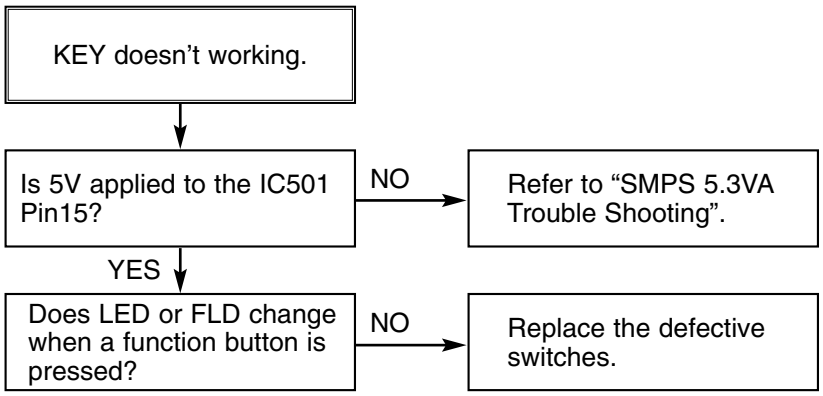
(2) When the Drum Motor doesn't run.


When the Drum Motor doesn't run,
Does 12V appear at the PMC01 Pin8?
NO
Refer to "(2) No 12VA of Power section"
YES
Does 2.8V appear at the PMC01 Pin12?
NO
Do the Drum PWM Pulses appear at the IC501 Pin26?
NO
Do the DFG Pulses appear at the PMC01 Pin11?
YES
NO
YES
Aren't the foil patterns and the Components between IC501 Pin26 and PMC01 Pin12 short?
Replace the Juction PCB & Drum Motor.
YES
Check the connector (PMC01) and the Drum Motor Ass'y.
Do the DFG Pulses appear at the IC501 Pin38?
NO
Aren't the foil patterns and the Components between IC501 Pin38 and PMC01 Pin11 short?
YES
Do the Drum PWM Pulses appear at the IC501 Pin26?
NO
Replace the IC501.
YES
Aren't the connecting patterns and the Components between IC501 Pin26 and PMC01 Pin11 short?

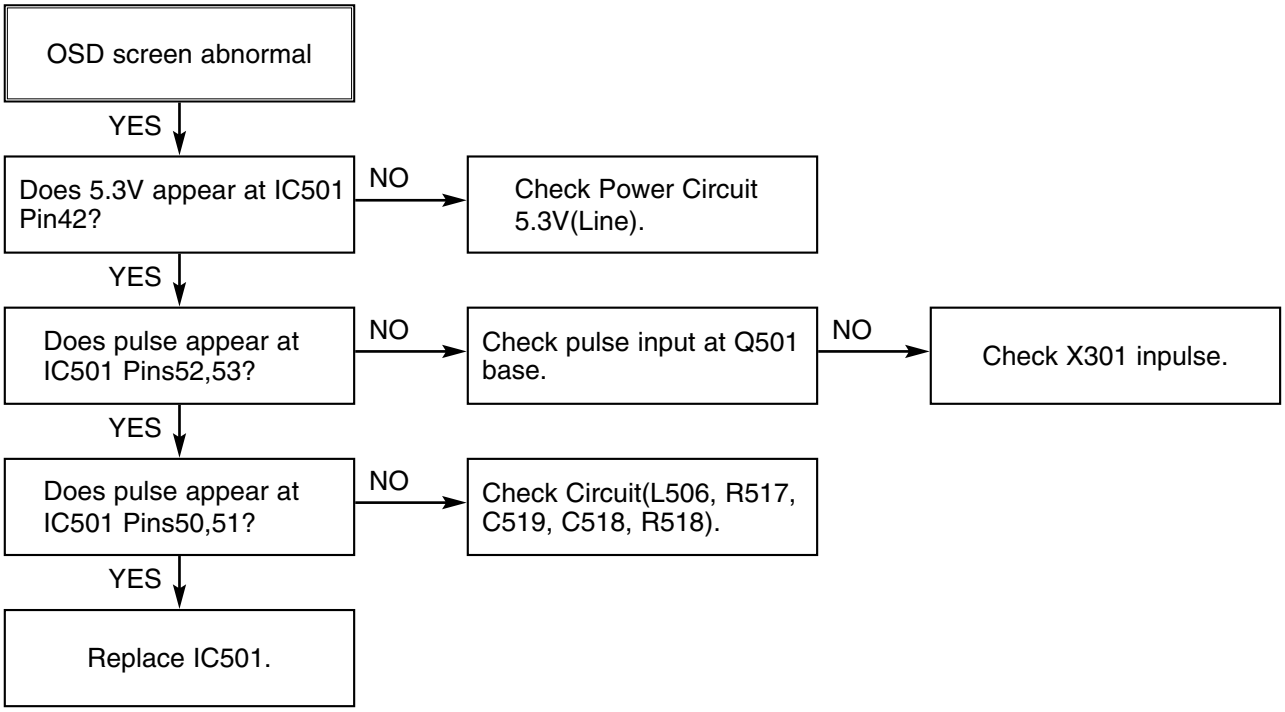
(3) When the Capstan Motor doesn't run,


When the Capstan Motor doesn't run,
Does 12VA appear at the PMC01?
NO
Refer to "SMPS(CAPSTAN/12Volt) Trouble Shooting".
YES
Does 2.8V appear at the PMC01?
NO
YES
Check the PMC01 and the Capstan Motor Ass'y.
Does the PWM signal appear at the IC501 Pin25?
YES
NO
Aren't the foil patterns and Components between IC501 Pin25 and PMC01 Pin9 short?
Does the CFG signal appear at the PMC01 Pin1?
YES
NO
Does the CFG signal come into the IC501 Pin40?
Check the Capstan Motor Ass'y.
NO
YES
Does the Capstan PWM signal appear at the IC501 Pin25?
Aren't the foil patterns and component between IC501 Pin40 and PMC01 Pin1 short?
NO
YES
Aren't the foil patterns and Components between IC501 Pin25 and PMC01 Pin9 short?
Replace the IC501.

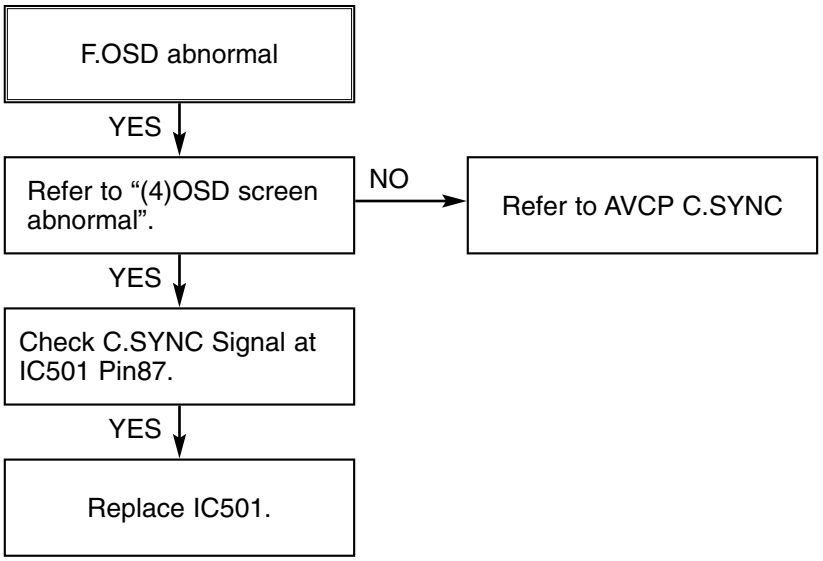
(4) KEY doesn't working


KEY doesn't working.
Is 5V applied to the IC501 Pin15?
NO
Refer to "SMPS 5.3VA Trouble Shooting".
YES
Does LED or FLD change when a function button is pressed?
NO
Replace the defective switches.

4. OSD Screen abnormal

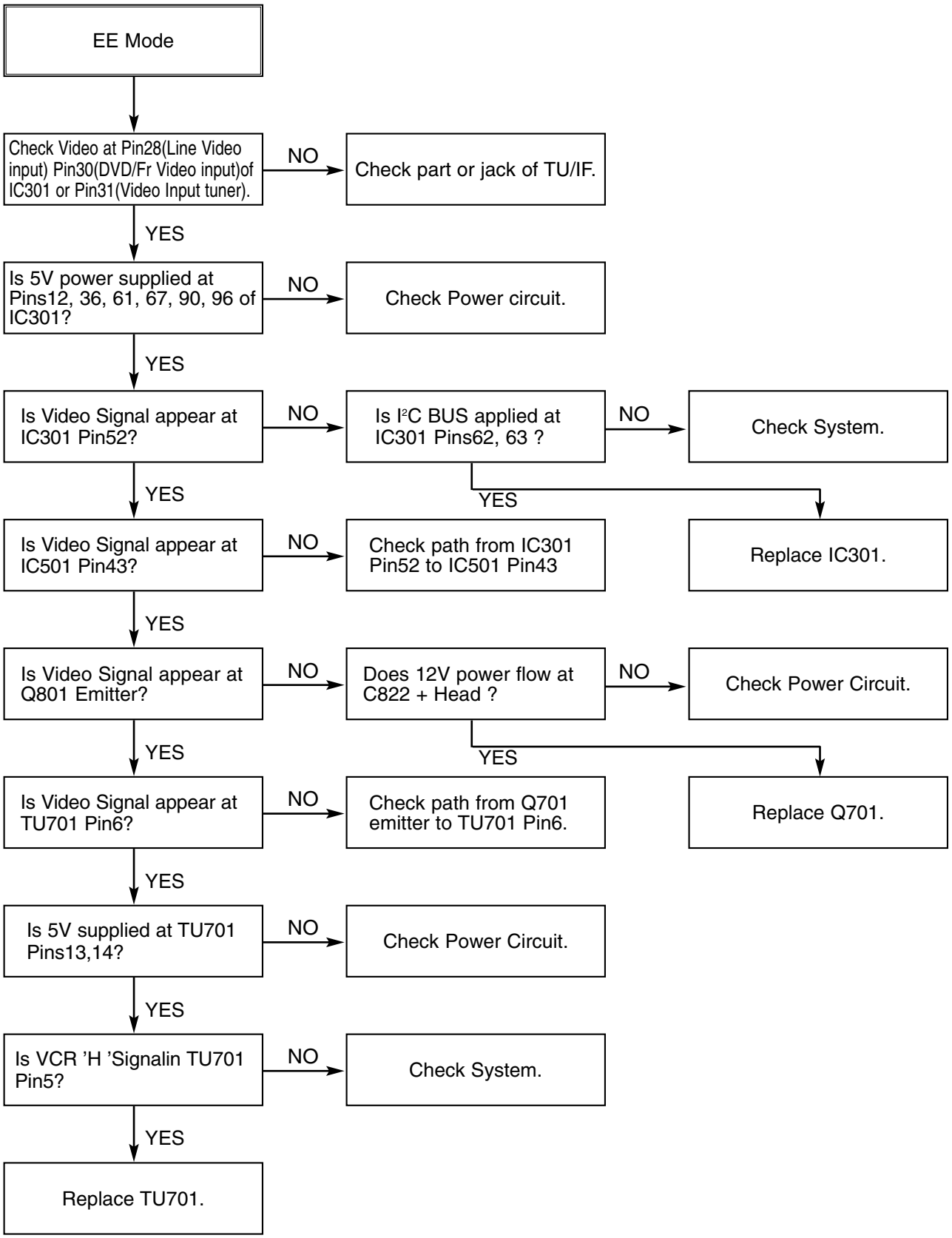


5. F.OSD Screen abnormal

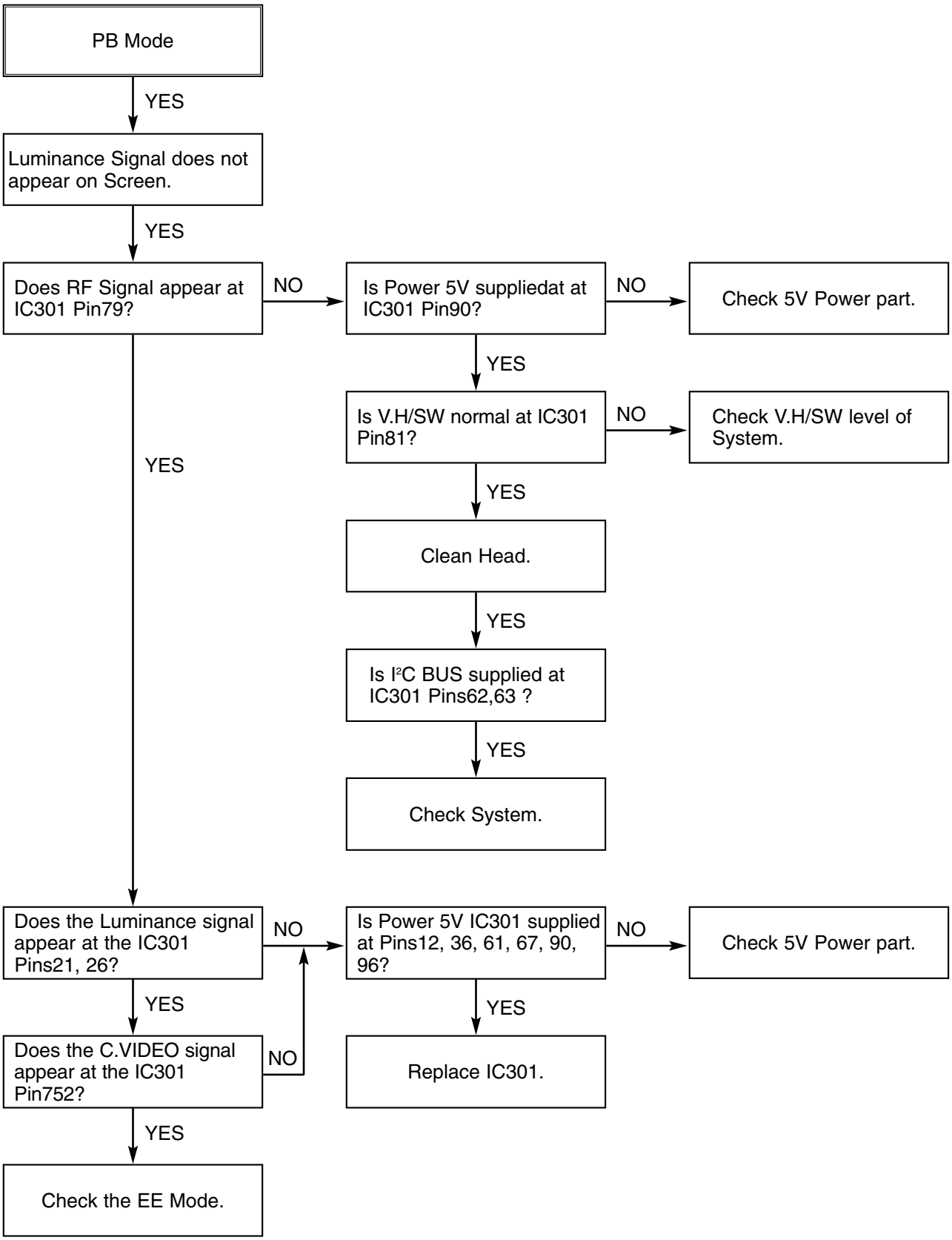


6. Y/C Circuit

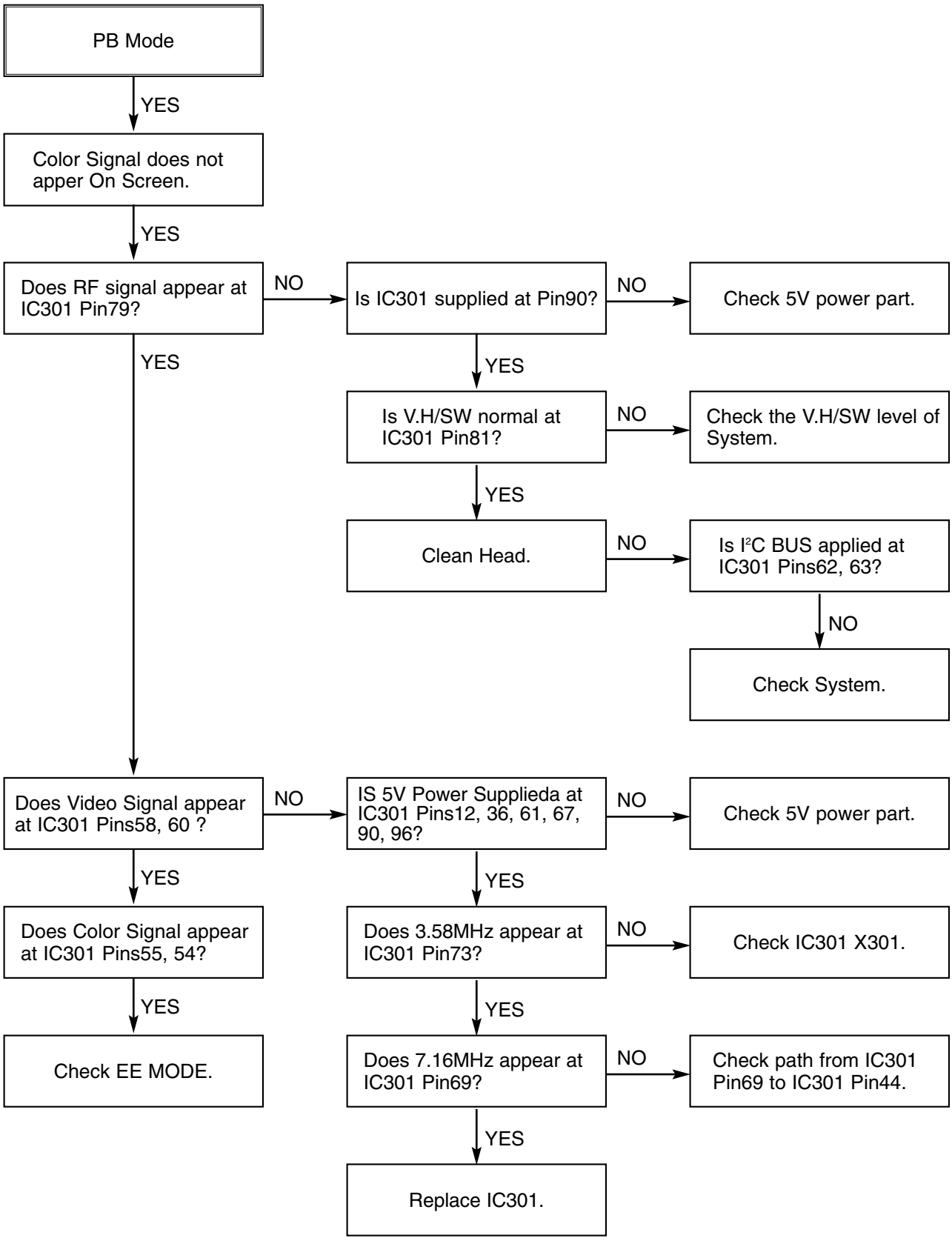
(1)



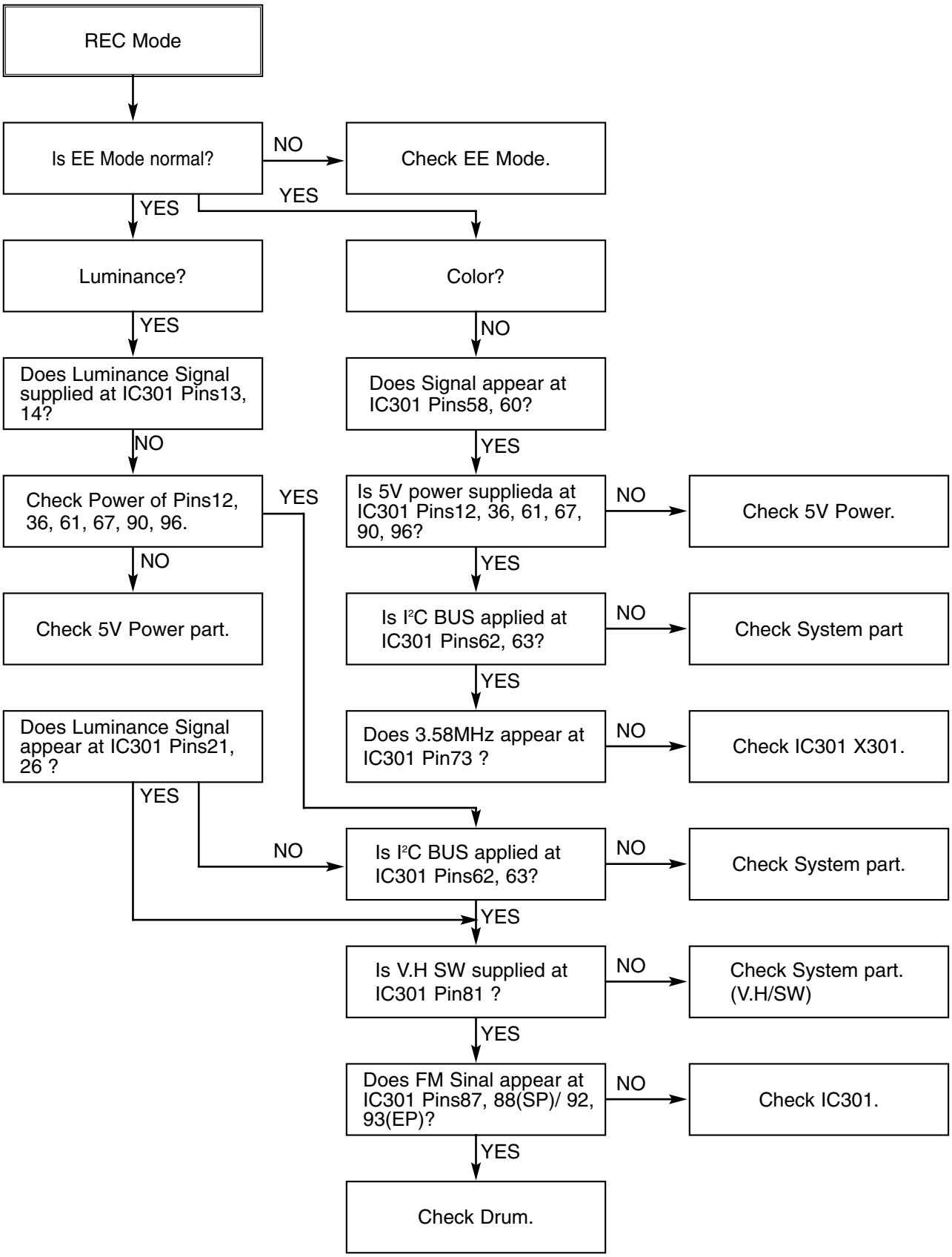
(2)


PB Mode
YES
Luminance Signal does not appear on Screen.
YES
Does RF Signal appear at IC301 Pin79?
NO
Is Power 5V suppliedat at IC301 Pin90?
NO
Check 5V Power part.
YES
Is V.H/SW normal at IC301 Pin81?
NO
Check V.H/SW level of System.
YES
YES
Clean Head.
YES
Is I²C BUS supplied at IC301 Pins62,63 ?
YES
Check System.
Does the Luminance signal appear at the IC301 Pins21, 26?
NO
Is Power 5V IC301 supplied at Pins12, 36, 61, 67, 90, 96?
NO
Check 5V Power part.
YES
YES
Does the C.VIDEO signal appear at the IC301 Pin752?
NO
Replace IC301.
YES
Check the EE Mode.

(3)

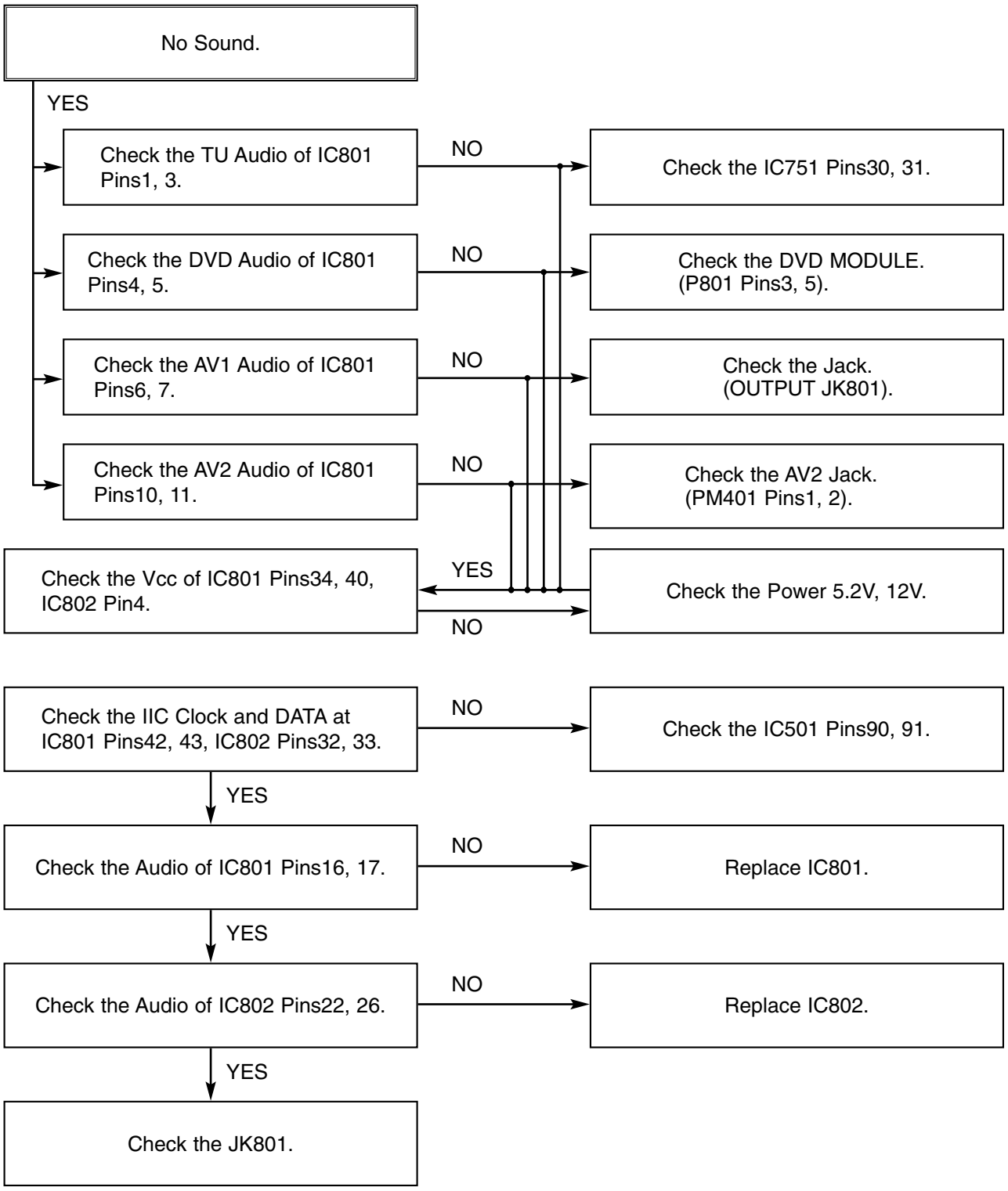

PB Mode
YES
Color Signal does not apper On Screen.
YES
Does RF signal appear at IC301 Pin79?
NO
Is IC301 supplied at Pin90?
NO
Check 5V power part.
YES
YES
Is V.H/SW normal at IC301 Pin81?
NO
Check the V.H/SW level of System.
YES
Clean Head.
NO
Is I²C BUS applied at IC301 Pins62, 63?
NO
Check System.
Does Video Signal appear at IC301 Pins58, 60 ?
NO
IS 5V Power Supplieda at IC301 Pins12, 36, 61, 67, 90, 96?
NO
Check 5V power part.
YES
YES
Does Color Signal appear at IC301 Pins55, 54?
Does 3.58MHz appear at IC301 Pin73?
NO
Check IC301 X301.
YES
YES
Check EE MODE.
Does 7.16MHz appear at IC301 Pin69?
NO
Check path from IC301 Pin69 to IC301 Pin44.
YES
Replace IC301.

(4)

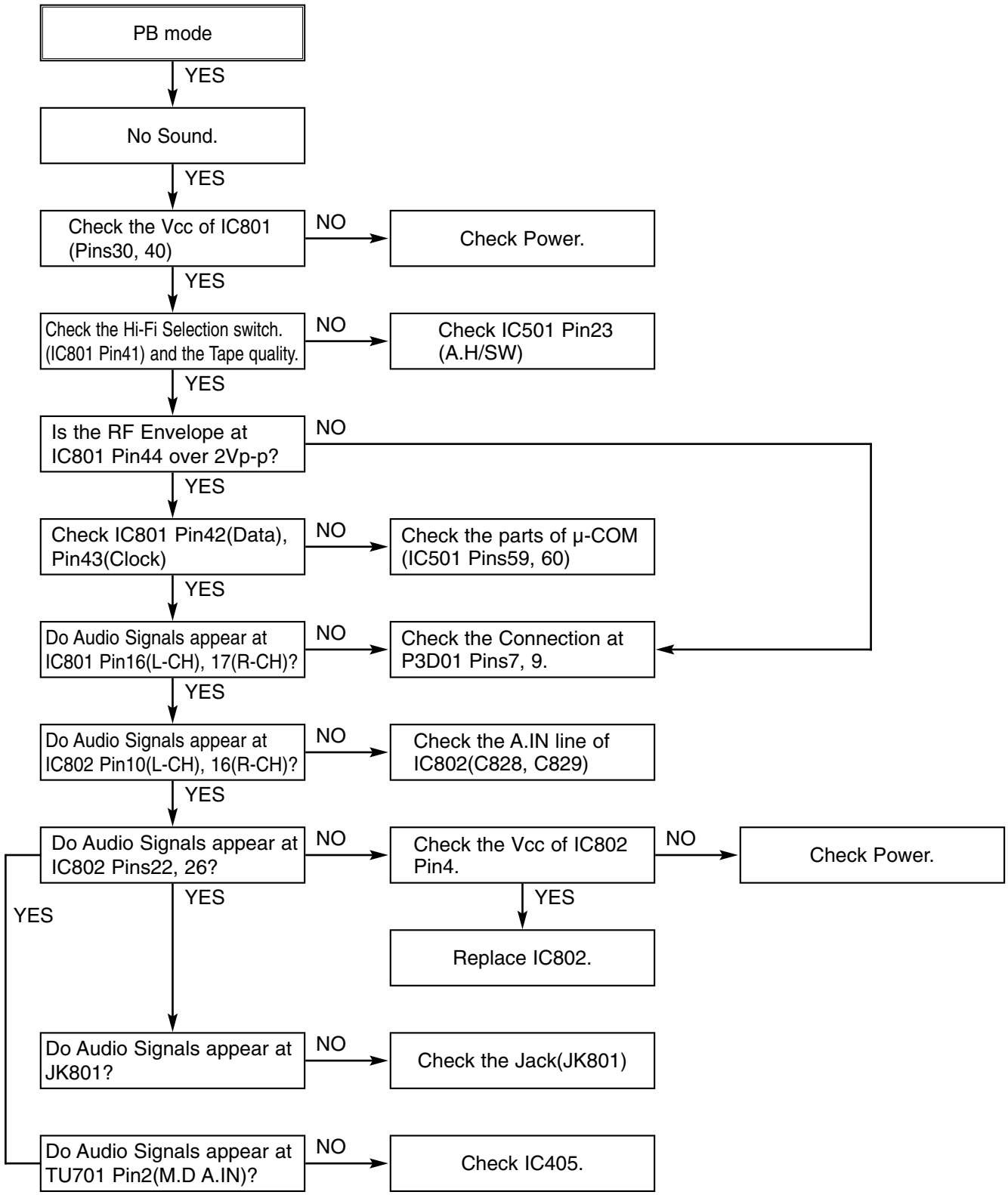

REC Mode
Is EE Mode normal?
NO
Check EE Mode.
YES
YES
Luminance?
Color?
YES
NO
Does Luminance Signal supplied at IC301 Pins13, 14?
Does Signal appear at IC301 Pins58, 60?
NO
YES
Check Power of Pins12, 36, 61, 67, 90, 96.
YES
Is 5V power supplieda at IC301 Pins12, 36, 61, 67, 90, 96?
NO
Check 5V Power.
NO
YES
Check 5V Power part.
Is I²C BUS applied at IC301 Pins62, 63?
NO
Check System part
YES
Does Luminance Signal appear at IC301 Pins21, 26 ?
Does 3.58MHz appear at IC301 Pin73 ?
NO
Check IC301 X301.
YES
NO
Is I²C BUS applied at IC301 Pins62, 63?
NO
Check System part.
YES
Is V.H SW supplied at IC301 Pin81 ?
NO
Check System part. (V.H/SW)
YES
Does FM Sinal appear at IC301 Pins87, 88(SP)/ 92, 93(EP)?
NO
Check IC301.
YES
Check Drum.

7. Hi-Fi CIRCUIT

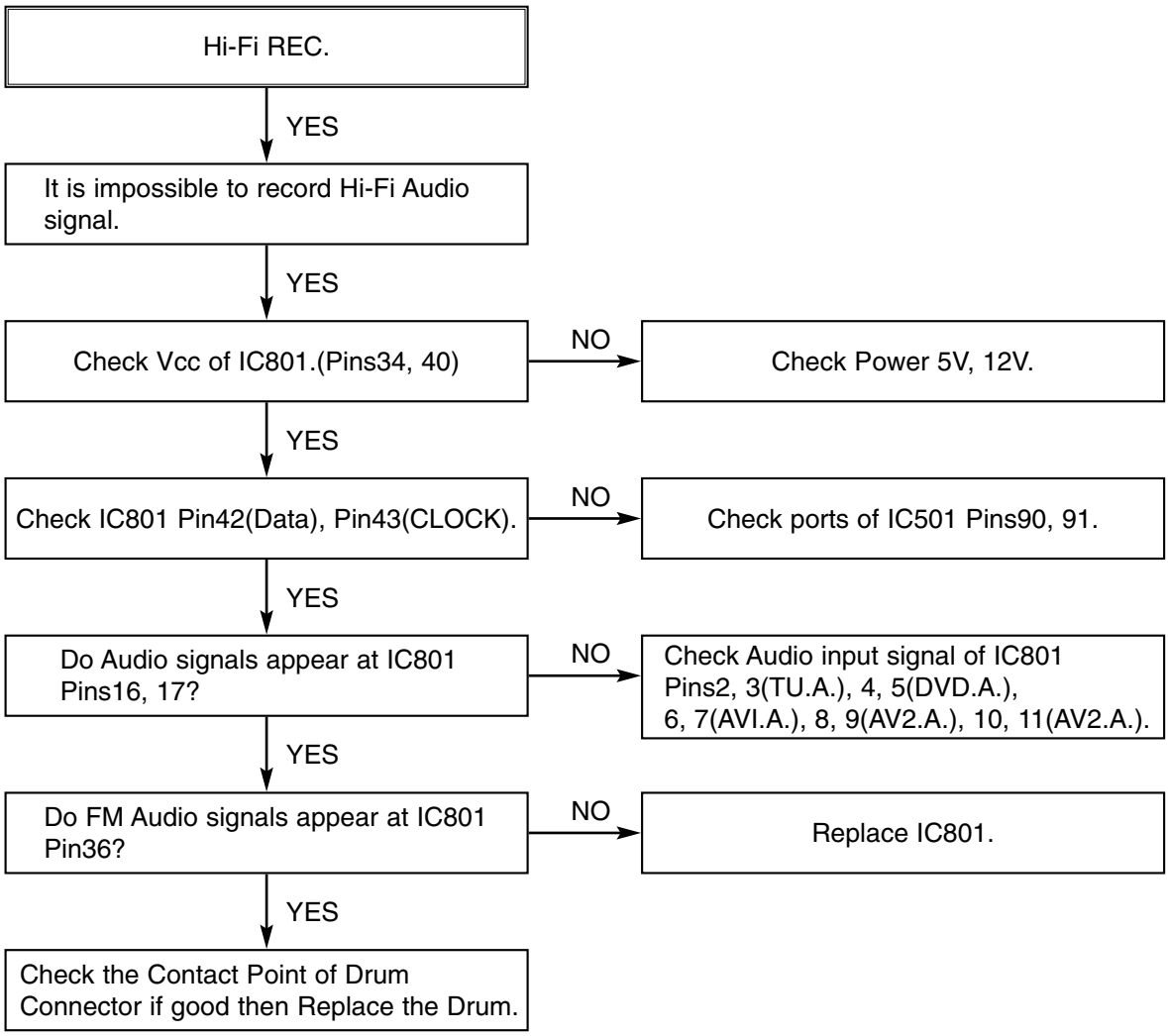
(1) No Sound(EE Mode)


No Sound.
YES
Check the TU Audio of IC801 Pins1, 3.
NO
Check the IC751 Pins30, 31.
Check the DVD Audio of IC801 Pins4, 5.
NO
Check the DVD MODULE. (P801 Pins3, 5).
Check the AV1 Audio of IC801 Pins6, 7.
NO
Check the Jack. (OUTPUT JK801).
Check the AV2 Audio of IC801 Pins10, 11.
NO
Check the AV2 Jack. (PM401 Pins1, 2).
Check the Vcc of IC801 Pins34, 40, IC802 Pin4.
YES
NO
Check the Power 5.2V, 12V.
Check the IIC Clock and DATA at IC801 Pins42, 43, IC802 Pins32, 33.
NO
Check the IC501 Pins90, 91.
YES
Check the Audio of IC801 Pins16, 17.
NO
Replace IC801.
YES
Check the Audio of IC802 Pins22, 26.
NO
Replace IC802.
YES
Check the JK801.

(2) Hi-Fi Playback

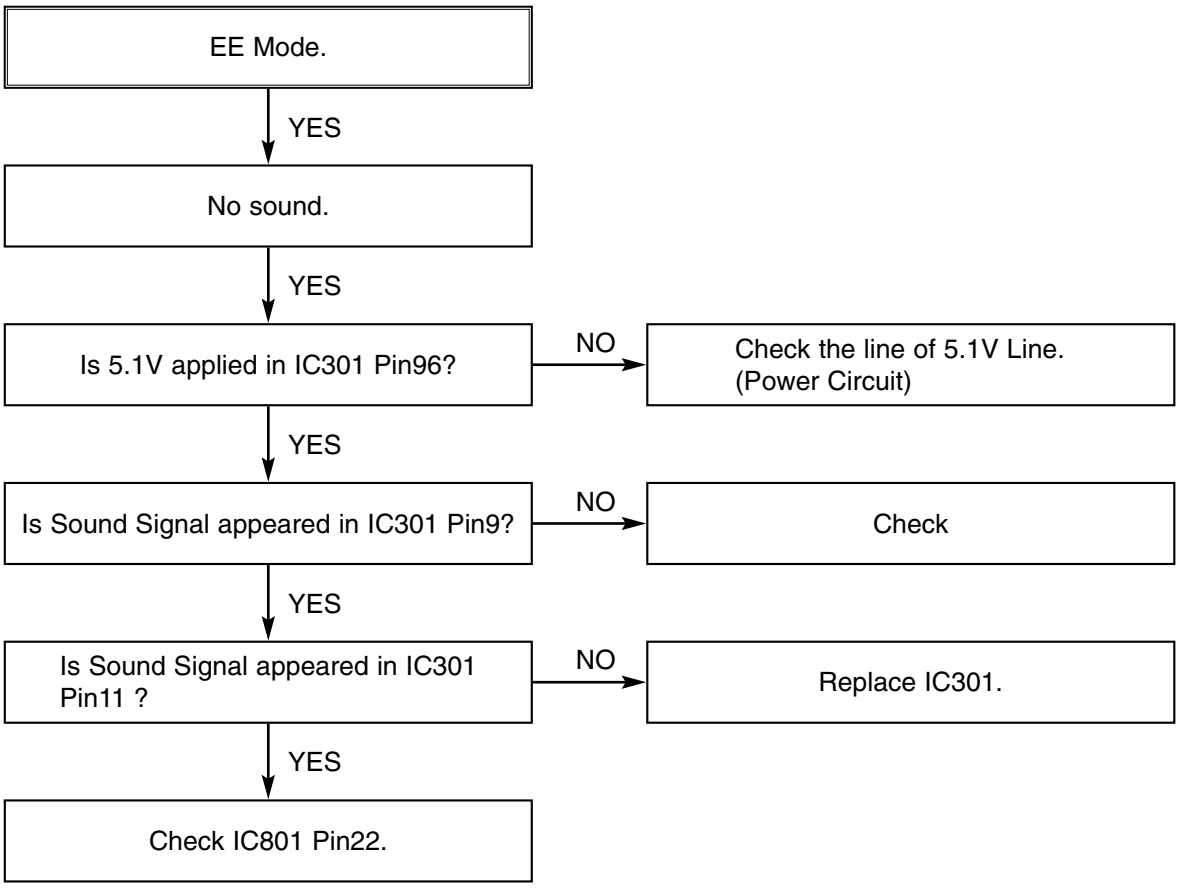


(3)

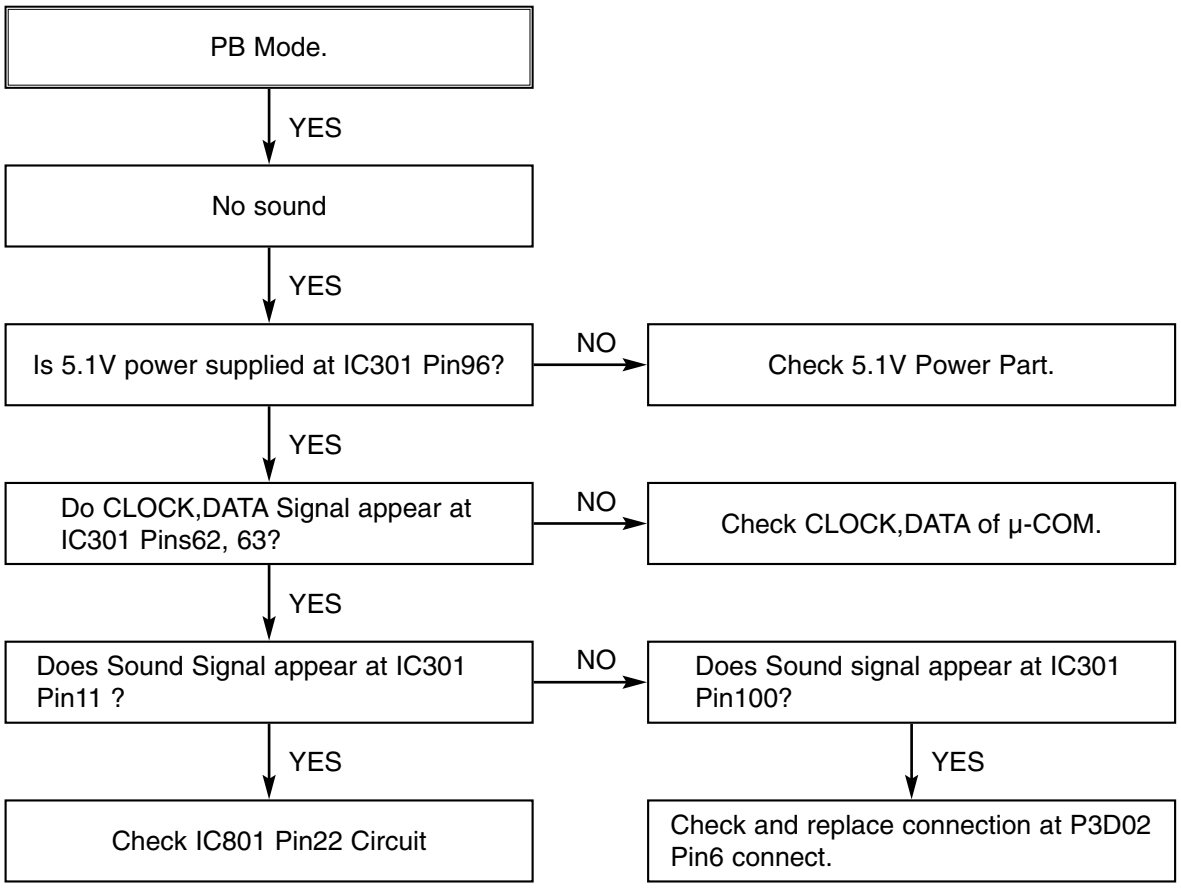

Hi-Fi REC.
YES
It is impossible to record Hi-Fi Audio signal.
YES
Check Vcc of IC801.(Pins34, 40)
NO
Check Power 5V, 12V.
YES
Check IC801 Pin42(Data), Pin43(CLOCK).
NO
Check ports of IC501 Pins90, 91.
YES
Do Audio signals appear at IC801 Pins16, 17?
NO
Check Audio input signal of IC801 Pins2, 3(TU.A.), 4, 5(DVD.A.), 6, 7(AVI.A.), 8, 9(AV2.A.), 10, 11(AV2.A.).
YES
Do FM Audio signals appear at IC801 Pin36?
NO
Replace IC801.
YES
Check the Contact Point of Drum Connector if good then Replace the Drum.

8. Audio Circuit (Mono Model ONLY)

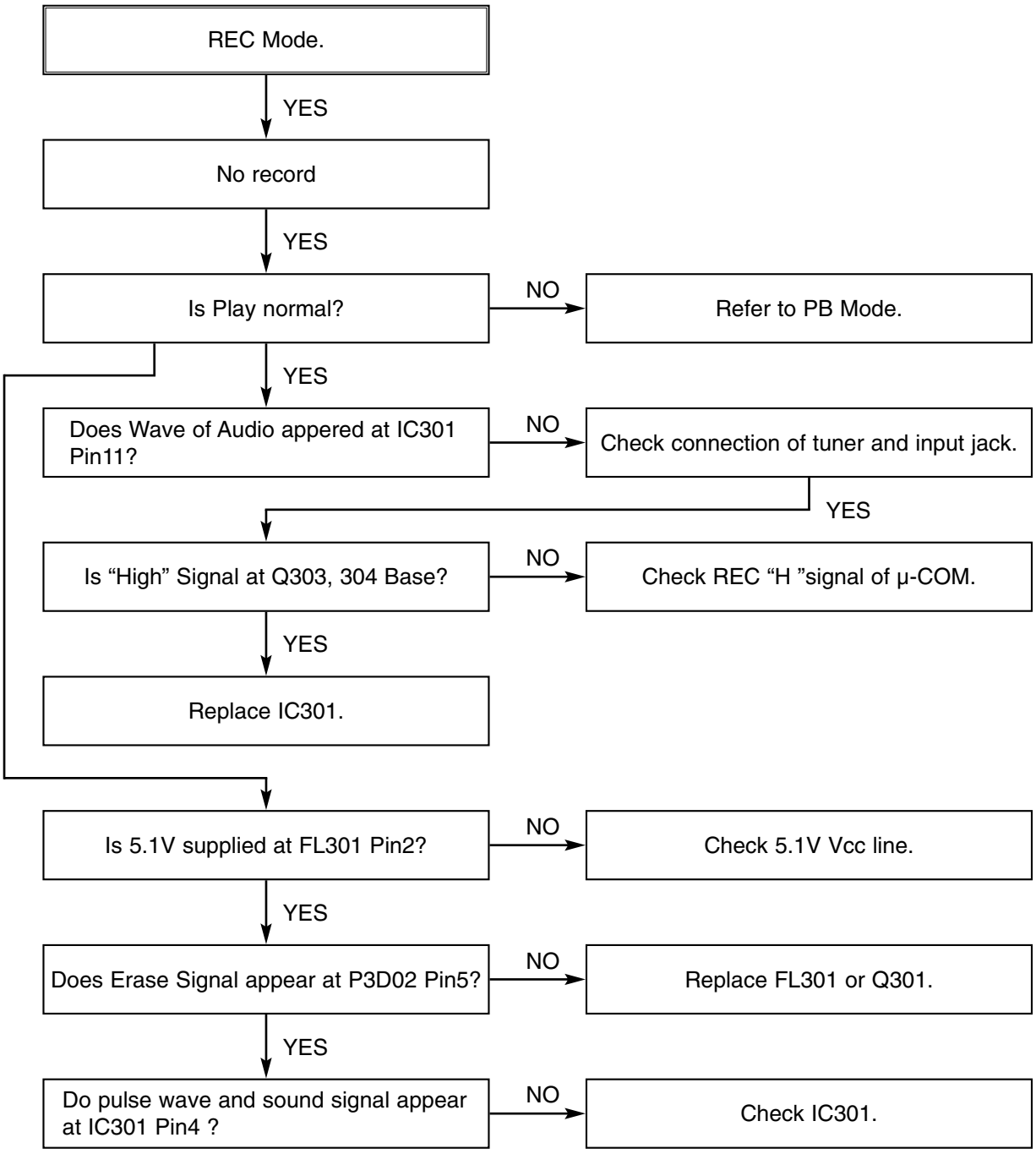
(1)



(2)

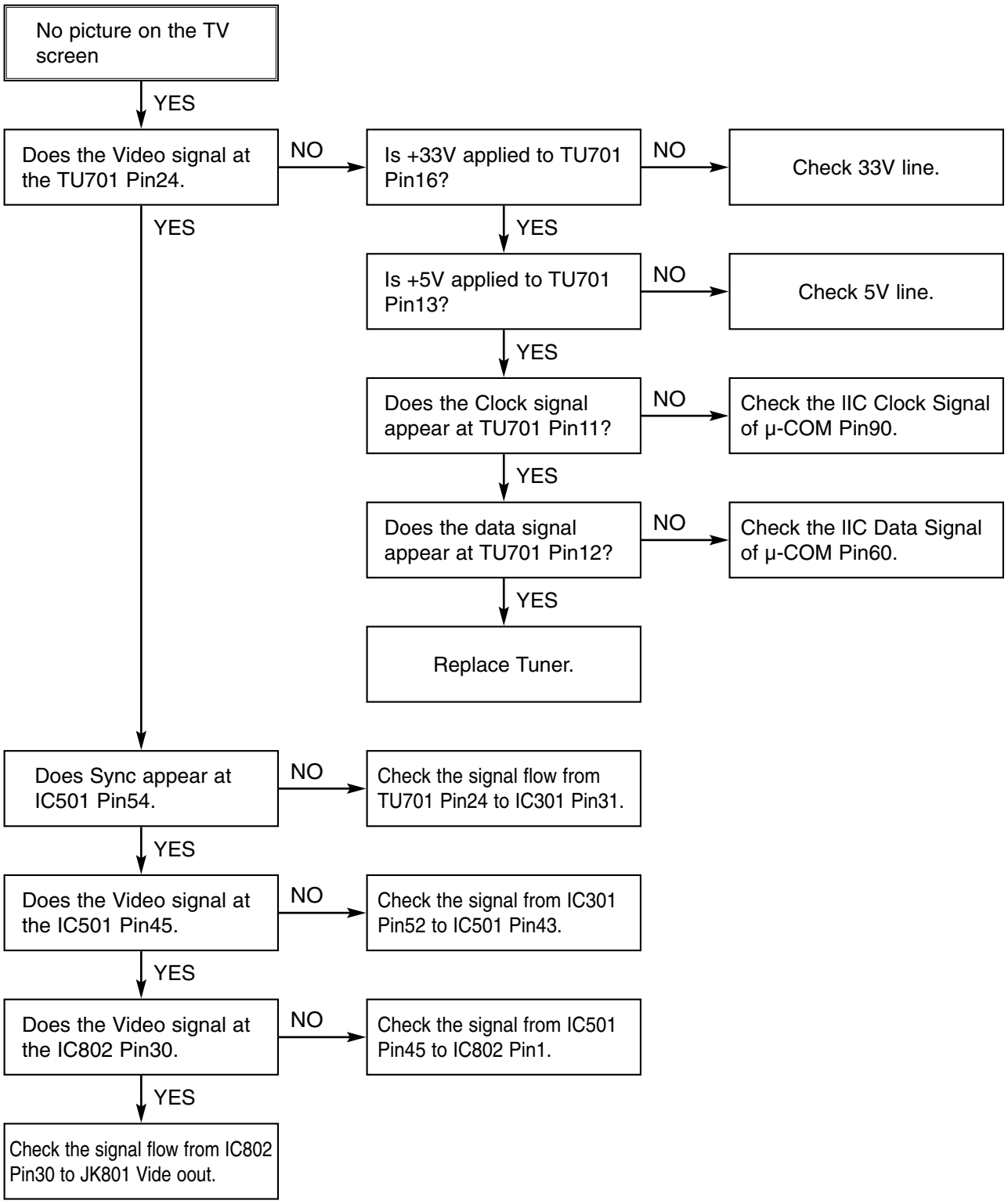

PB Mode.
YES
No sound
YES
Is 5.1V power supplied at IC301 Pin96?
NO
Check 5.1V Power Part.
YES
Do CLOCK,DATA Signal appear at IC301 Pins62, 63?
NO
Check CLOCK,DATA of µ-COM.
YES
Does Sound Signal appear at IC301 Pin11 ?
NO
Does Sound signal appear at IC301 Pin100?
YES
YES
Check IC801 Pin22 Circuit
Check and replace connection at P3D02 Pin6 connect.

(3)

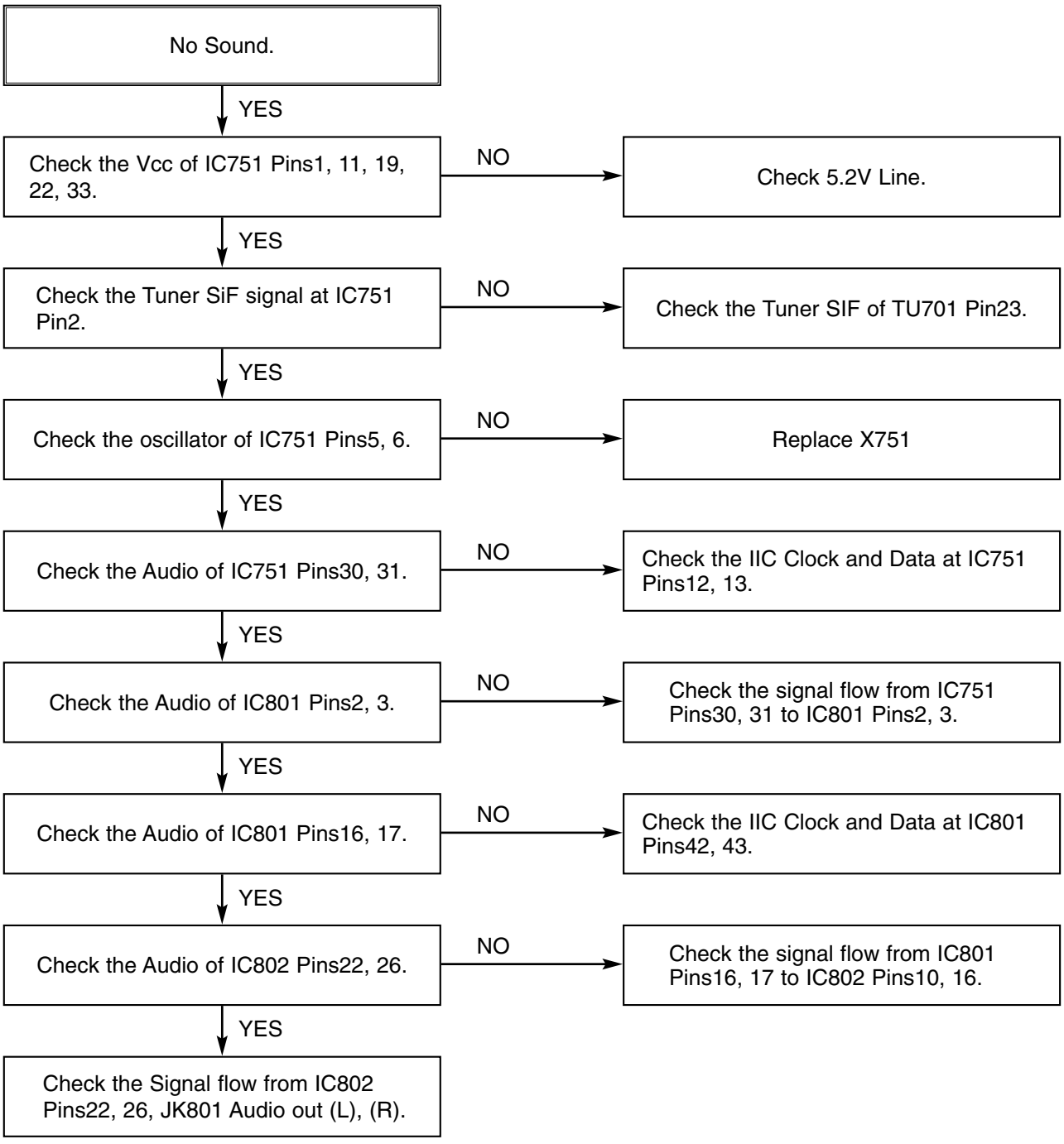

REC Mode.
YES
No record
YES
Is Play normal?
NO
Refer to PB Mode.
YES
Does Wave of Audio appered at IC301 Pin11?
NO
Check connection of tuner and input jack.
YES
Is “High” Signal at Q303, 304 Base?
NO
Check REC “H ”signal of µ-COM.
YES
Replace IC301.
Is 5.1V supplied at FL301 Pin2?
NO
Check 5.1V Vcc line.
YES
Does Erase Signal appear at P3D02 Pin5?
NO
Replace FL301 or Q301.
YES
Do pulse wave and sound signal appear at IC301 Pin4 ?
NO
Check IC301.

9. Tuner/IF CIRCUIT

(1) No Picture on the TV screen


No picture on the TV screen
YES
Does the Video signal at the TU701 Pin24.
NO
Is +33V applied to TU701 Pin16?
NO
Check 33V line.
YES
YES
Is +5V applied to TU701 Pin13?
NO
Check 5V line.
YES
Does the Clock signal appear at TU701 Pin11?
NO
Check the IIC Clock Signal of µ-COM Pin90.
YES
Does the data signal appear at TU701 Pin12?
NO
Check the IIC Data Signal of µ-COM Pin60.
YES
Replace Tuner.
Does Sync appear at IC501 Pin54.
NO
Check the signal flow from TU701 Pin24 to IC301 Pin31.
YES
Does the Video signal at the IC501 Pin45.
NO
Check the signal from IC301 Pin52 to IC501 Pin43.
YES
Does the Video signal at the IC802 Pin30.
NO
Check the signal from IC501 Pin45 to IC802 Pin1.
YES
Check the signal flow from IC802 Pin30 to JK801 Vide oout.

(2) No Sound

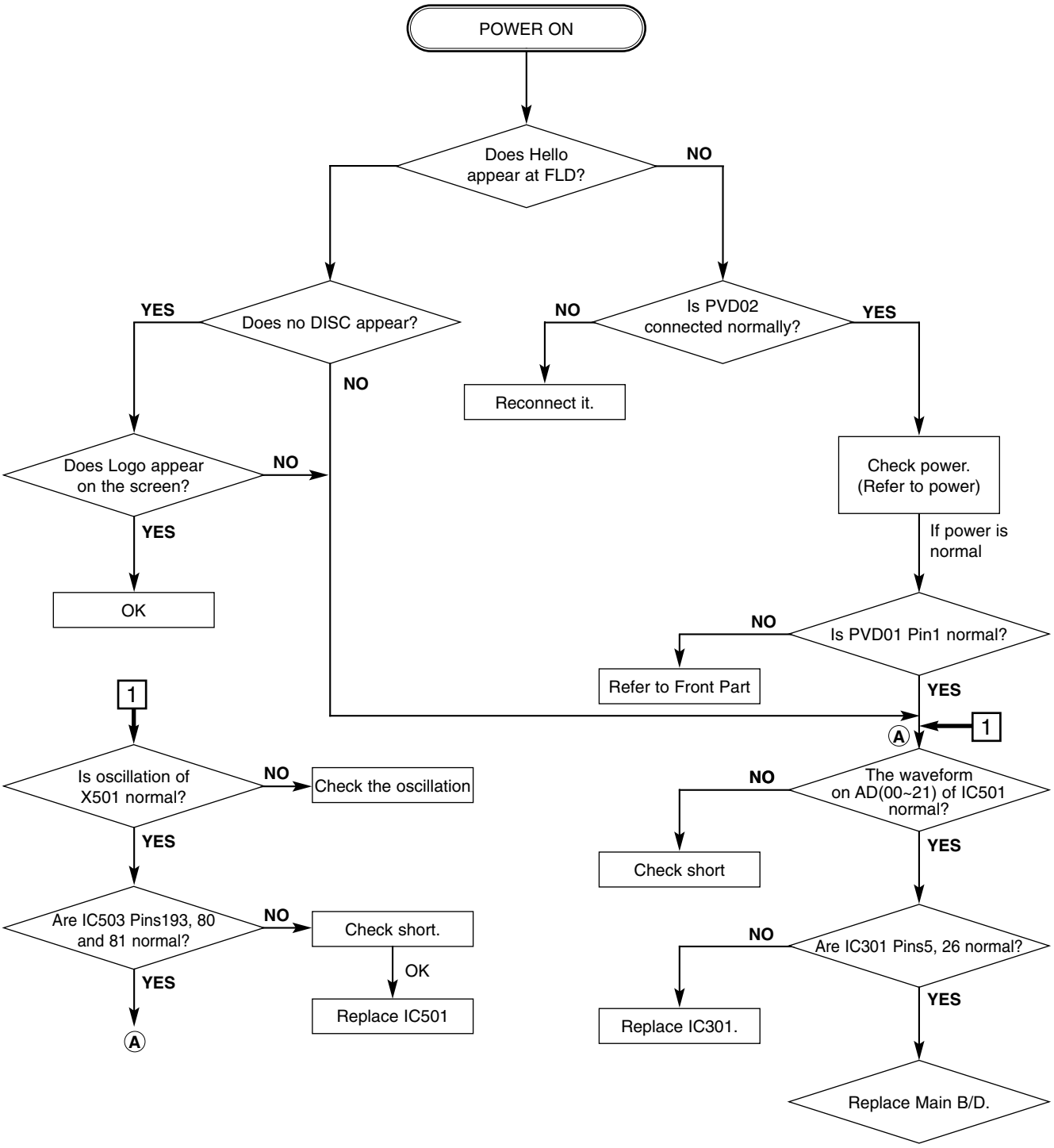

No Sound.
YES
Check the Vcc of IC751 Pins1, 11, 19, 22, 33.
NO
Check 5.2V Line.
YES
Check the Tuner SiF signal at IC751 Pin2.
NO
Check the Tuner SIF of TU701 Pin23.
YES
Check the oscillator of IC751 Pins5, 6.
NO
Replace X751
YES
Check the Audio of IC751 Pins30, 31.
NO
Check the IIC Clock and Data at IC751 Pins12, 13.
YES
Check the Audio of IC801 Pins2, 3.
NO
Check the signal flow from IC751 Pins30, 31 to IC801 Pins2, 3.
YES
Check the Audio of IC801 Pins16, 17.
NO
Check the IIC Clock and Data at IC801 Pins42, 43.
YES
Check the Audio of IC802 Pins22, 26.
NO
Check the signal flow from IC801 Pins16, 17 to IC802 Pins10, 16.
YES
Check the Signal flow from IC802 Pins22, 26, JK801 Audio out (L), (R).

MEMO

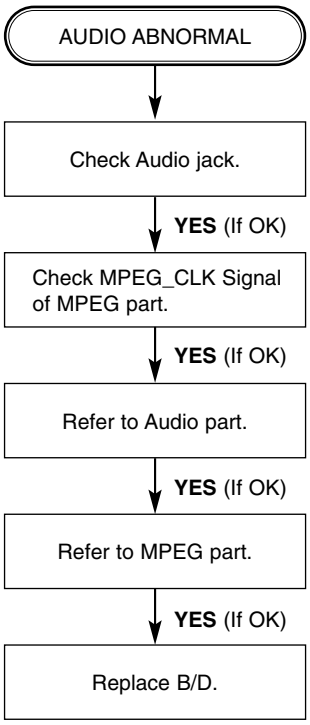
DVD PART
ELECTRICAL TROUBLESHOOTING GUIDE

1. µ-COM Circuit

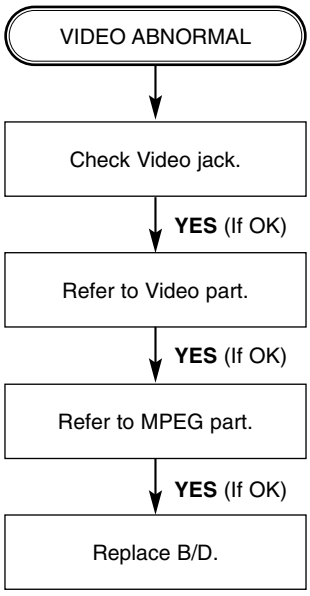
A. No Power



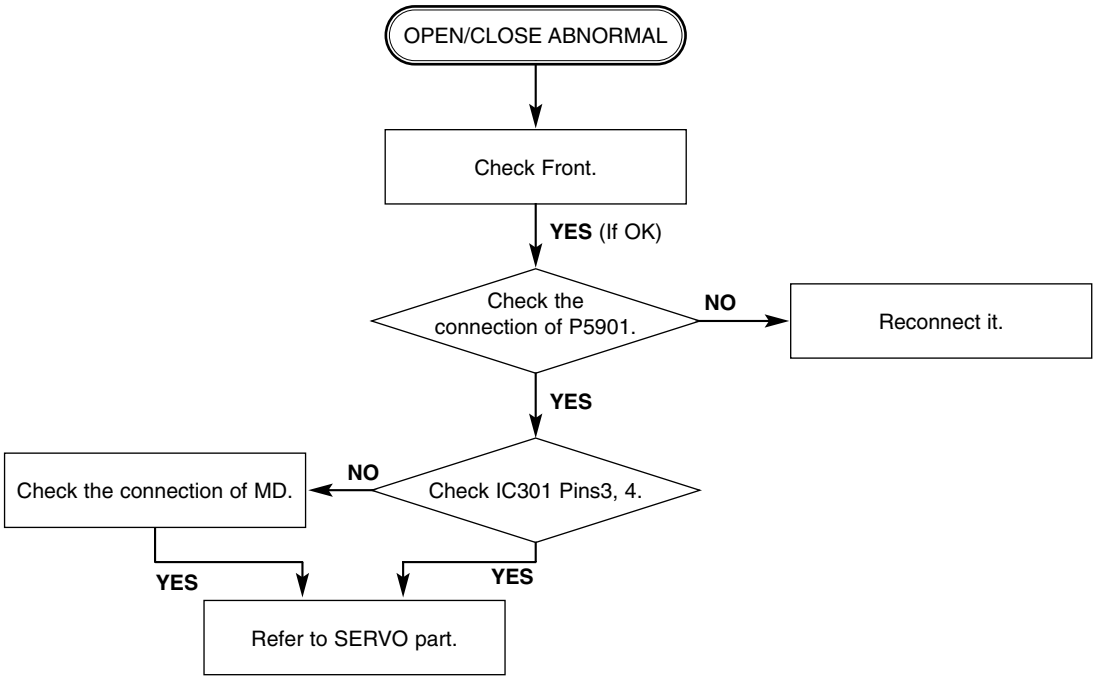
B. Audio abnormal



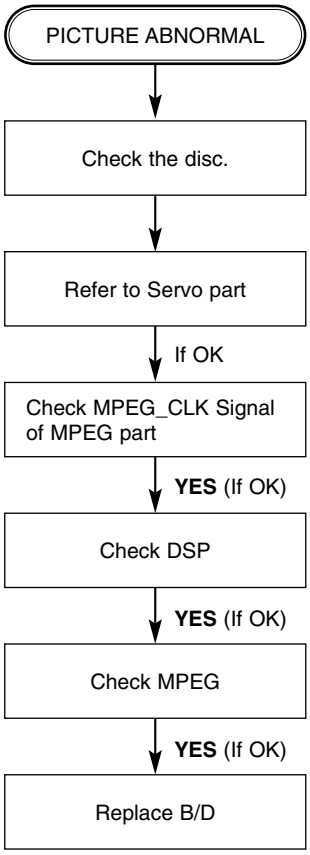
C. Video abnormal



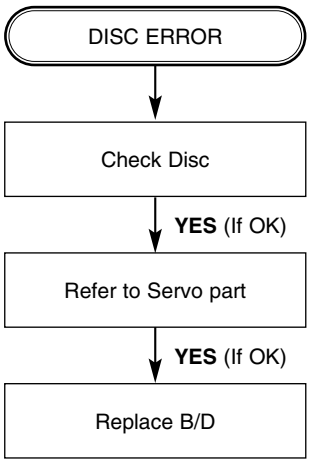
D. Open/Close abnormal



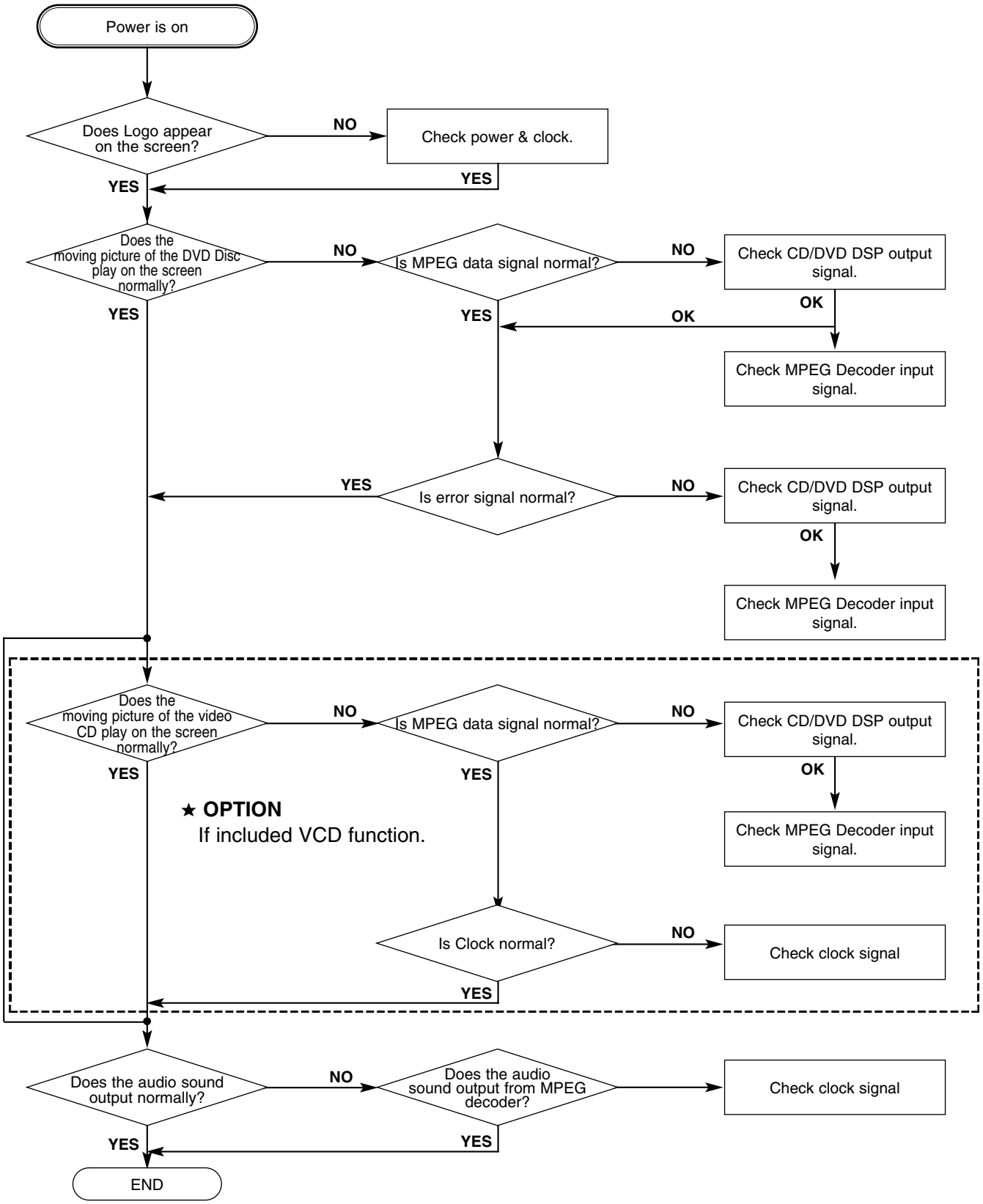
E. Picture abnormal



F. Disc Error

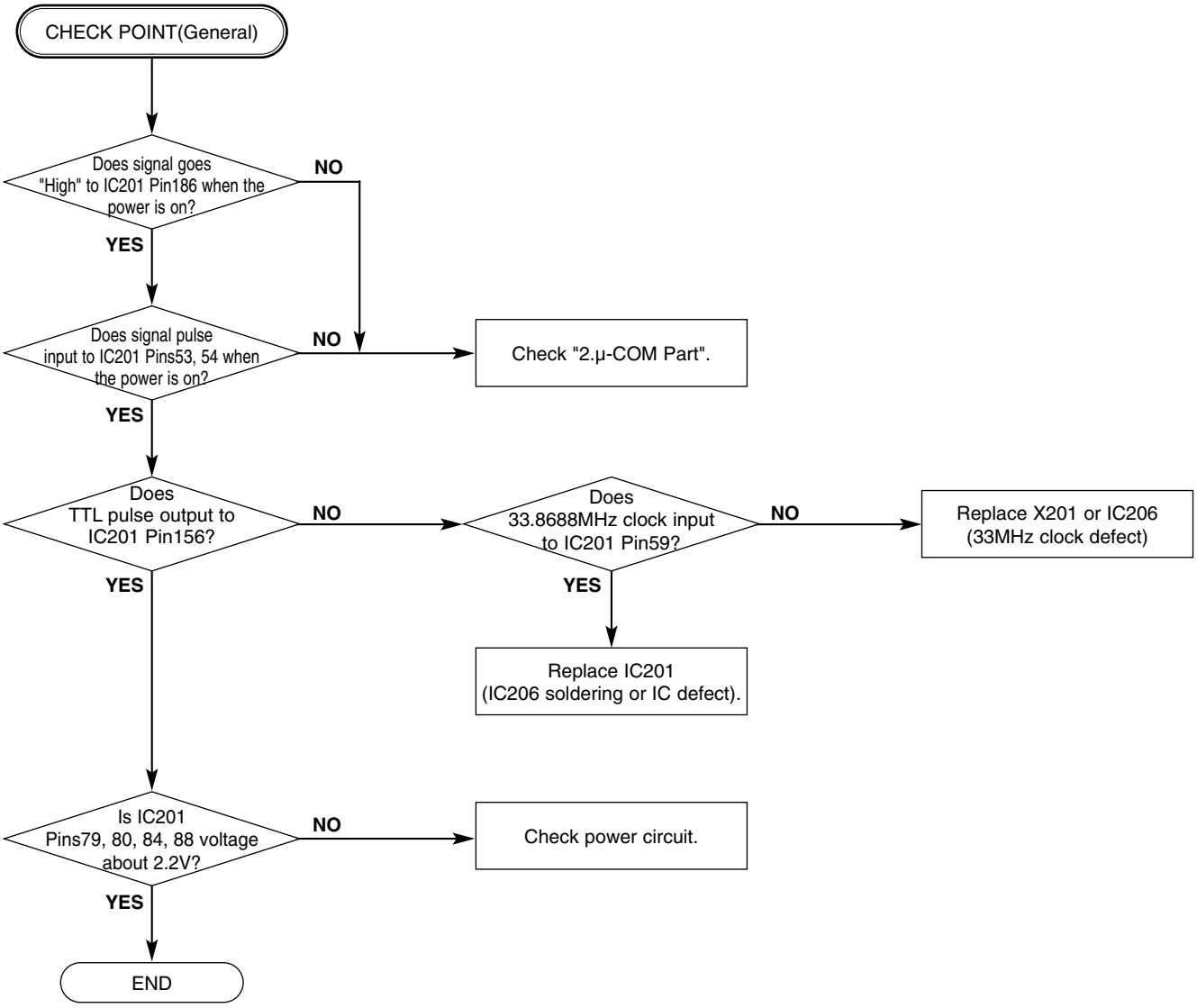


2. MPEG Circuit



3. RF/Servo Circuit

A.



B.

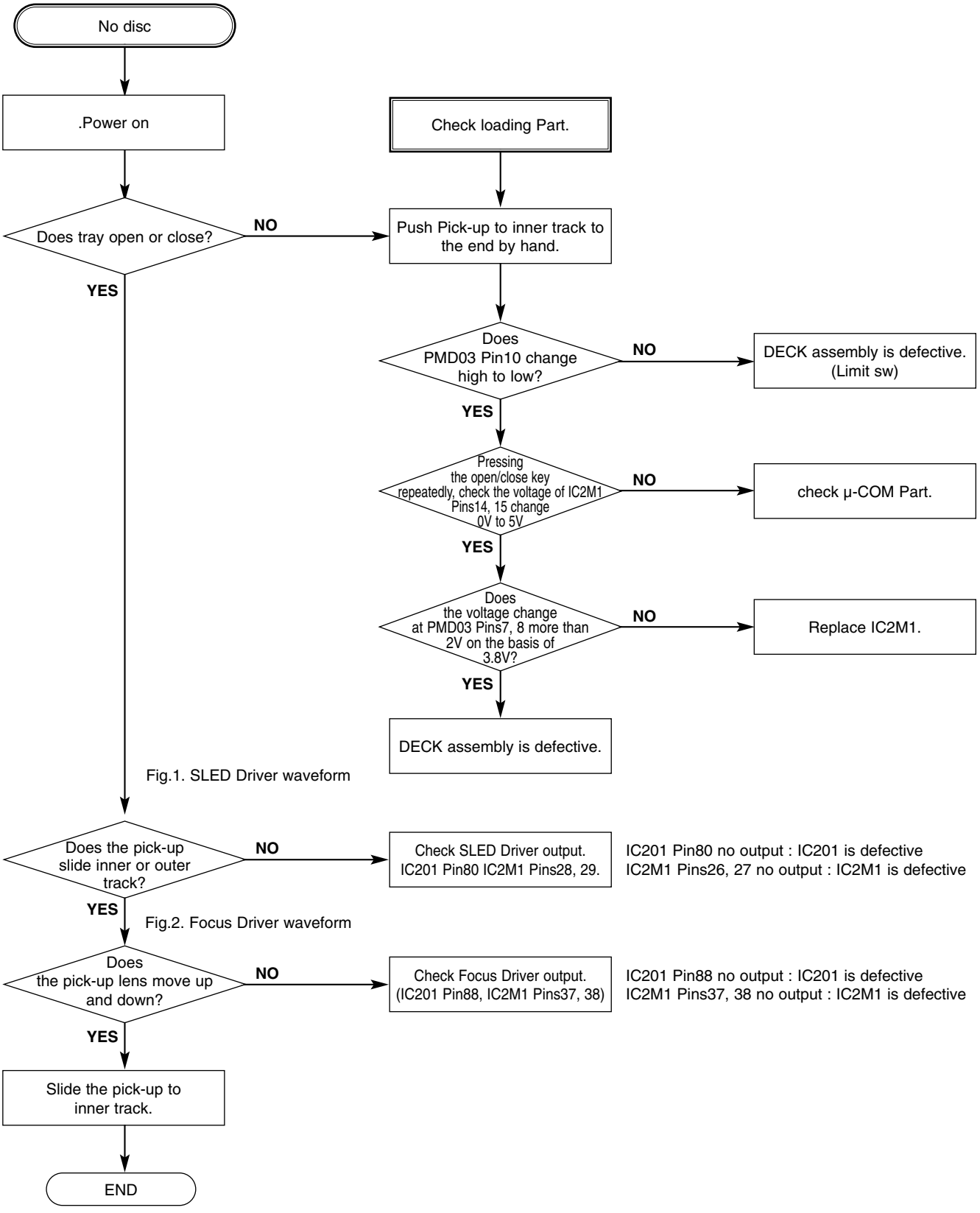

No disc
.Power on
Does tray open or close?
NO
YES
Check loading Part.
Push Pick-up to inner track to the end by hand.
Does PMD03 Pin10 change high to low?
NO
DECK assembly is defective. (Limit sw)
YES
Pressing the open/close key repeatedly, check the voltage of IC2M1 Pins14, 15 change 0V to 5V
NO
check µ-COM Part.
YES
Does the voltage change at PMD03 Pins7, 8 more than 2V on the basis of 3.8V?
NO
Replace IC2M1.
YES
DECK assembly is defective.
Does the pick-up slide inner or outer track?
NO
Check SLED Driver output. IC201 Pin80 IC2M1 Pins28, 29.
IC201 Pin80 no output : IC201 is defective
IC2M1 Pins26, 27 no output : IC2M1 is defective
YES
Does the pick-up lens move up and down?
NO
Check Focus Driver output. (IC201 Pin88, IC2M1 Pins37, 38)
IC201 Pin88 no output : IC201 is defective
IC2M1 Pins37, 38 no output : IC2M1 is defective
YES
Slide the pick-up to inner track.
END

Fig.1. SLED Driver waveform

Fig.2. Focus Driver waveform

C.

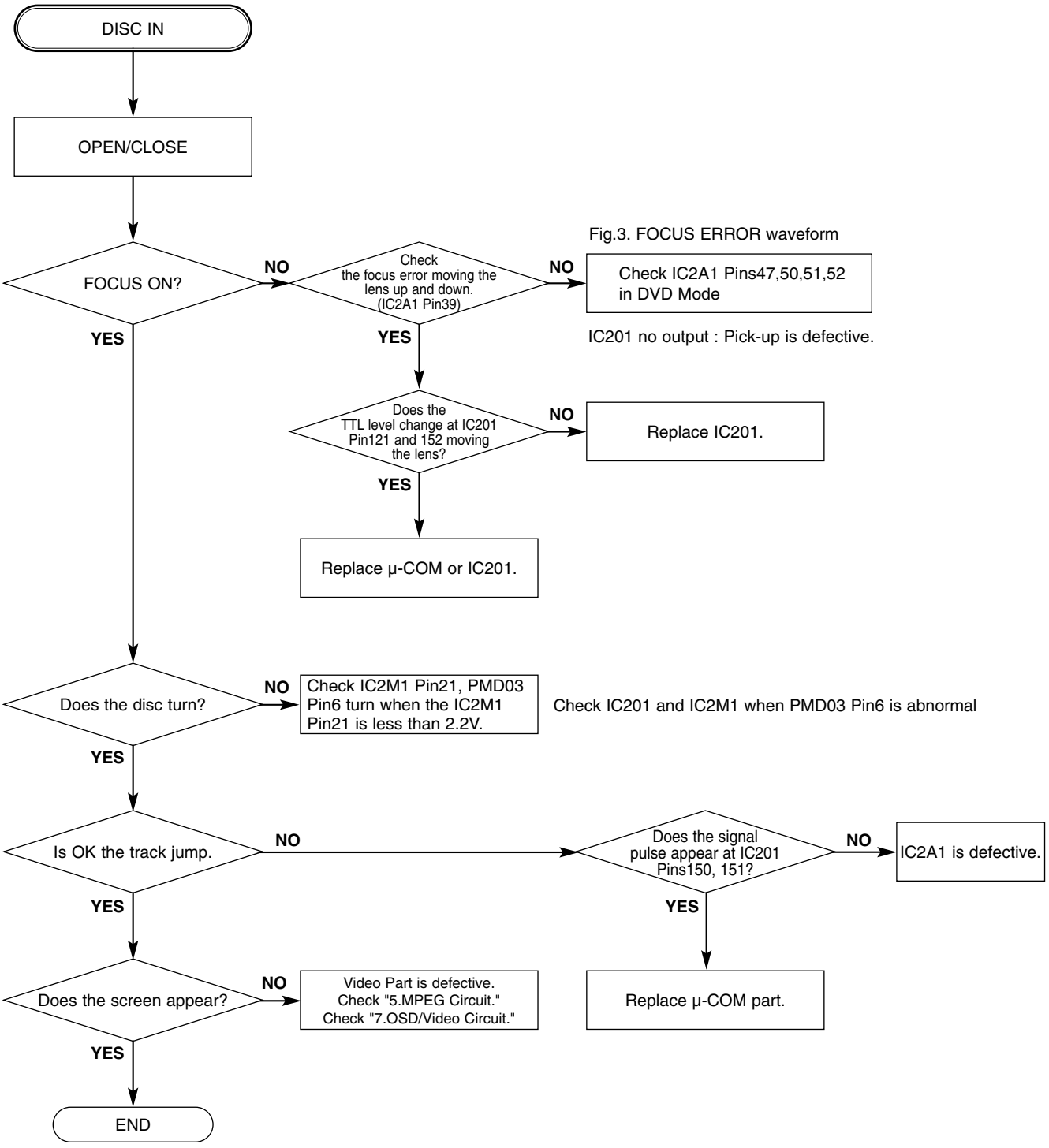
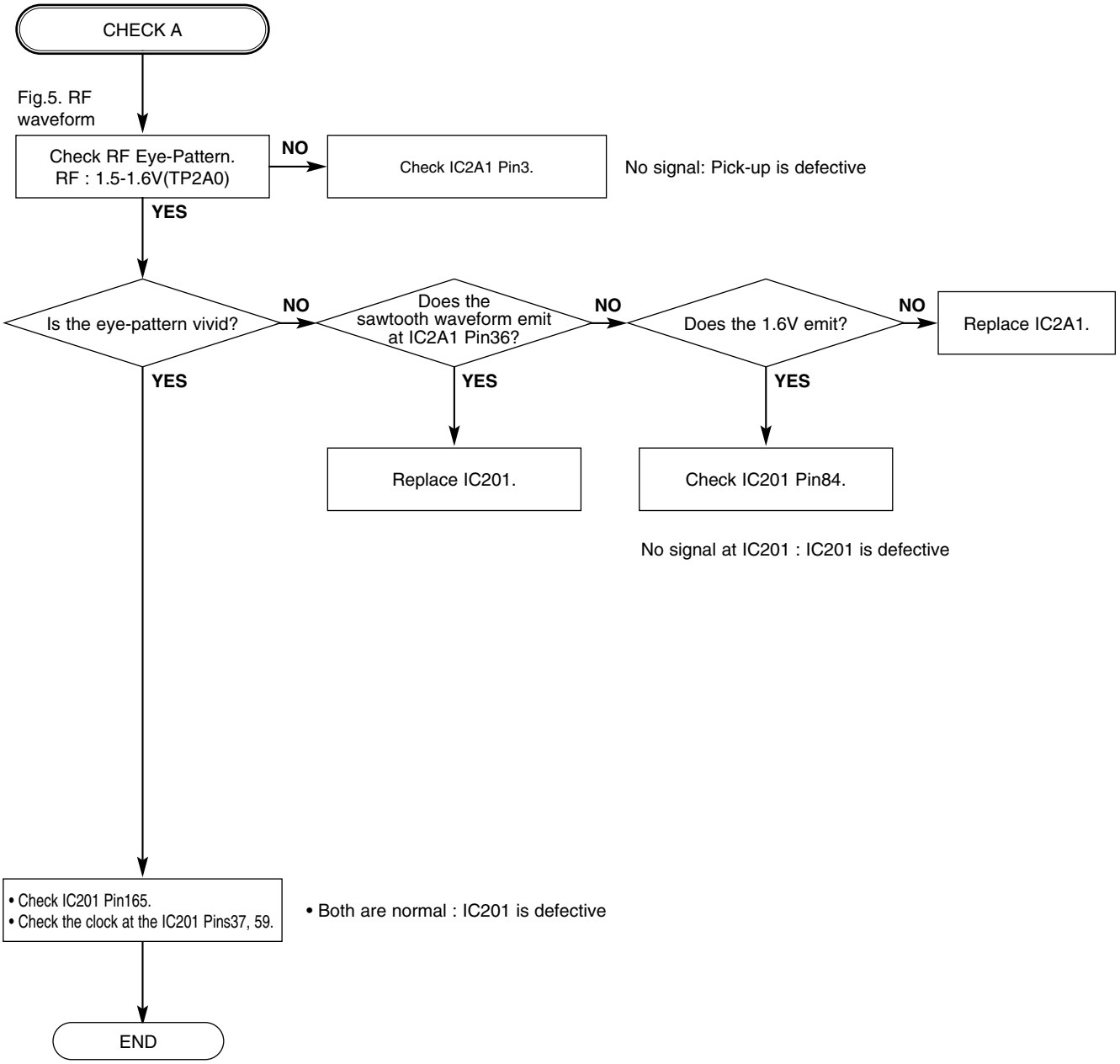


Fig.3. FOCUS ERROR waveform

IC201 no output : Pick-up is defective.

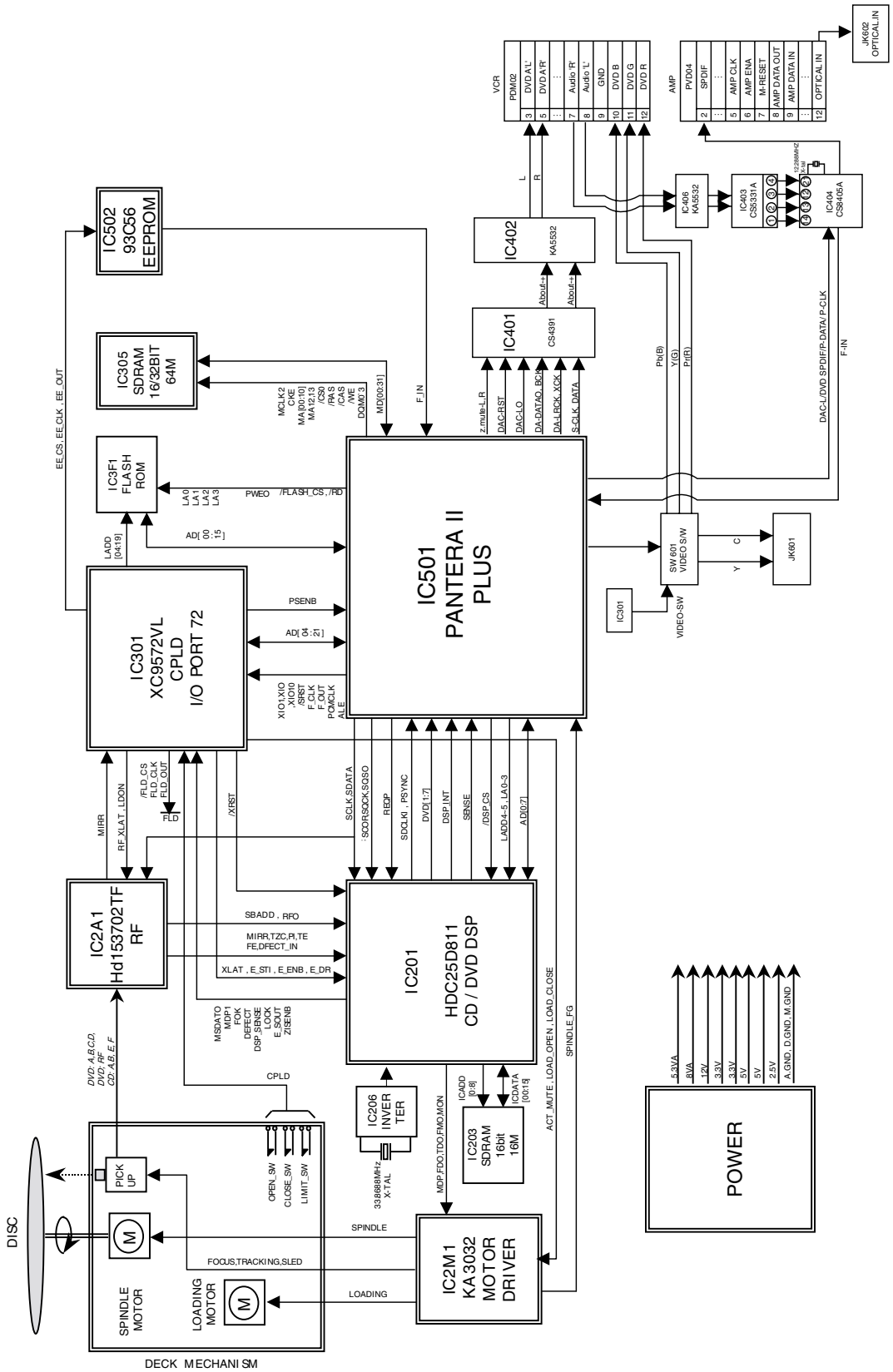
Check IC201 and IC2M1 when PMD03 Pin6 is abnormal

D.

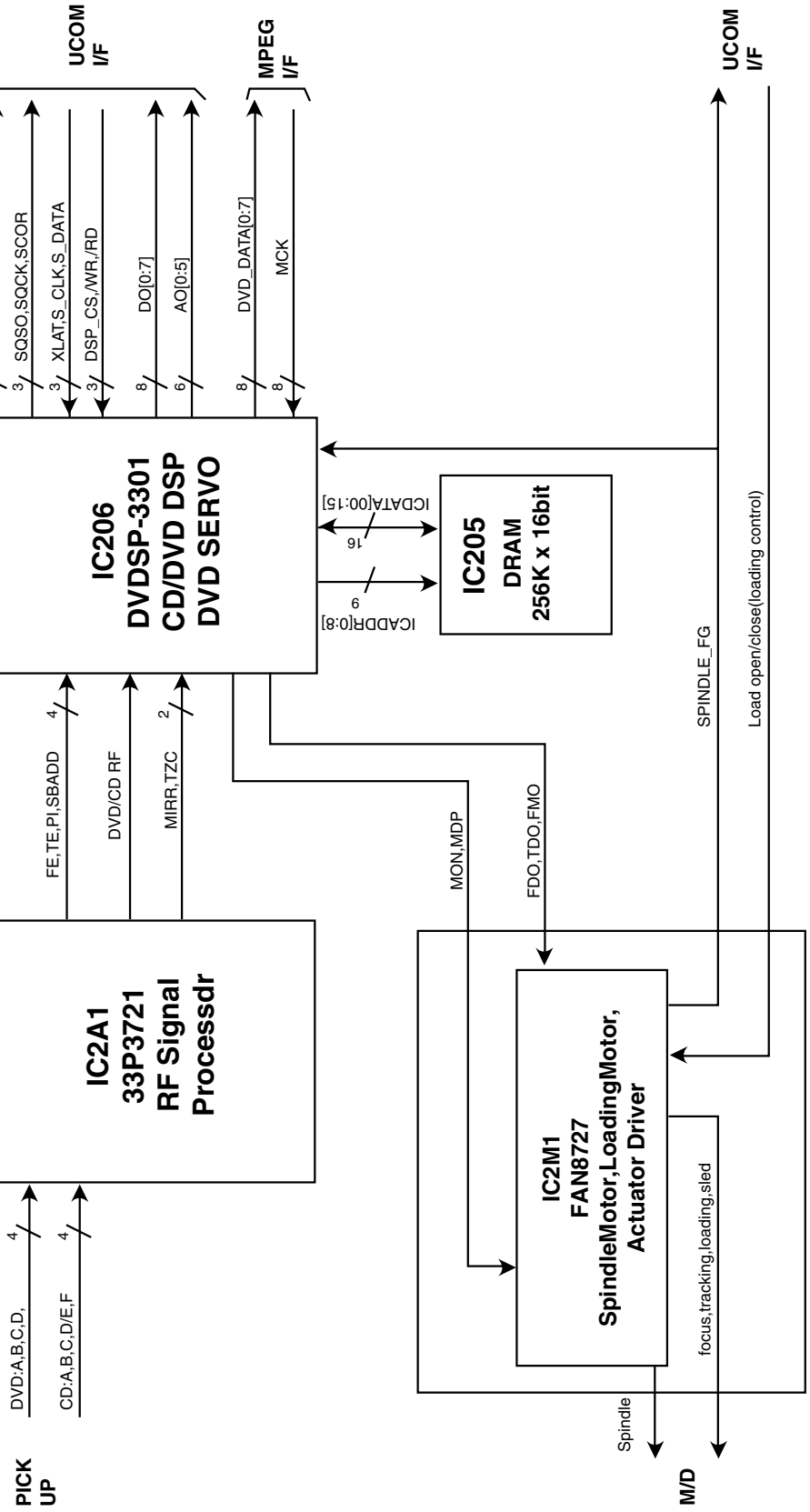

CHECK A
Fig.5. RF waveform
Check RF Eye-Pattern.
RF : 1.5-1.6V(TP2A0)
NO
Check IC2A1 Pin3.
No signal: Pick-up is defective
YES
Is the eye-pattern vivid?
NO
Does the sawtooth waveform emit at IC2A1 Pin36?
NO
Does the 1.6V emit?
NO
Replace IC2A1.
YES
YES
YES
Replace IC201.
Check IC201 Pin84.
No signal at IC201 : IC201 is defective
• Check IC201 Pin165.
• Check the clock at the IC201 Pins37, 59.
• Both are normal : IC201 is defective
END

BLOCK DIAGRAMS

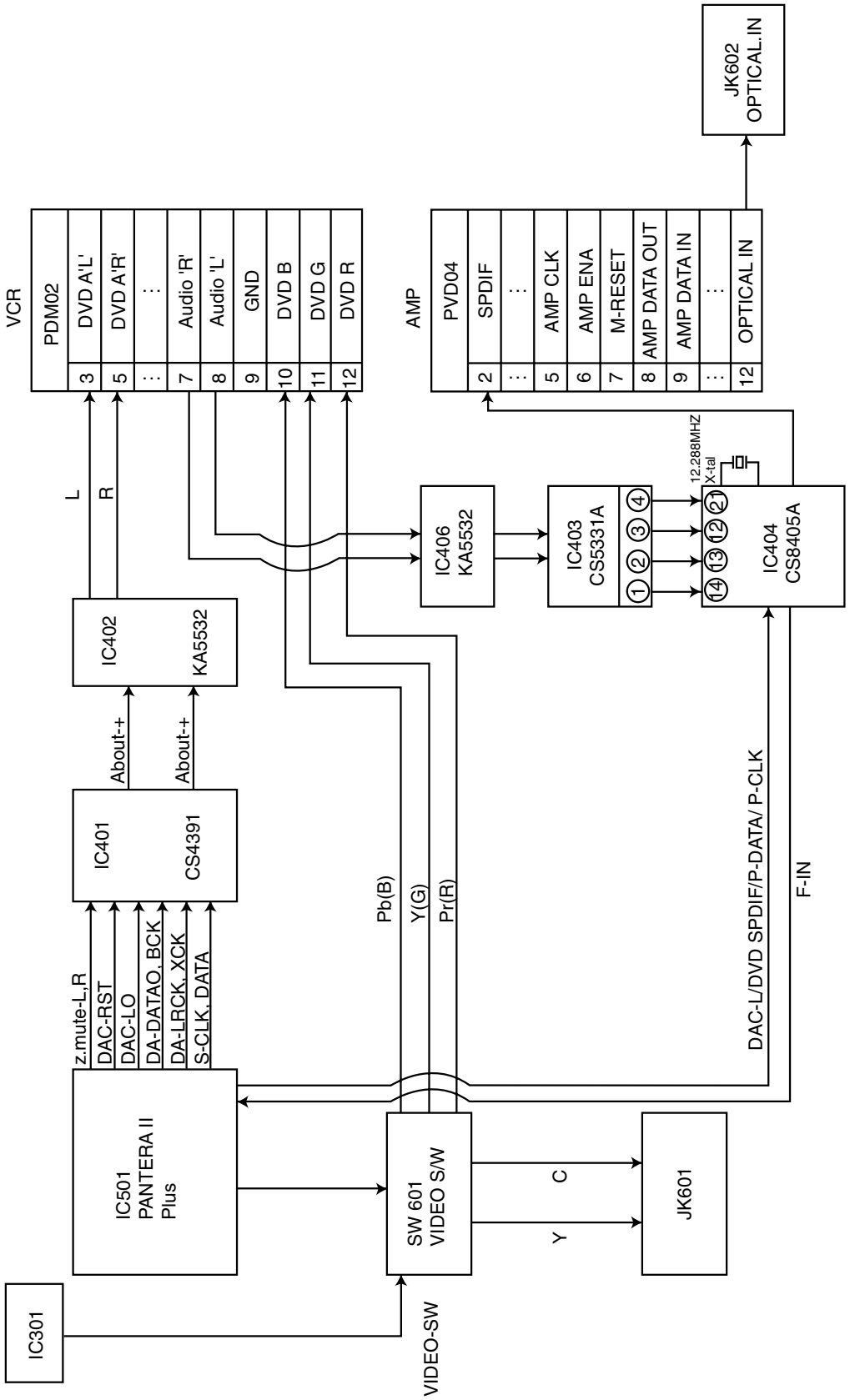
1. DVD OVERALL BLOCK DIAGRAM



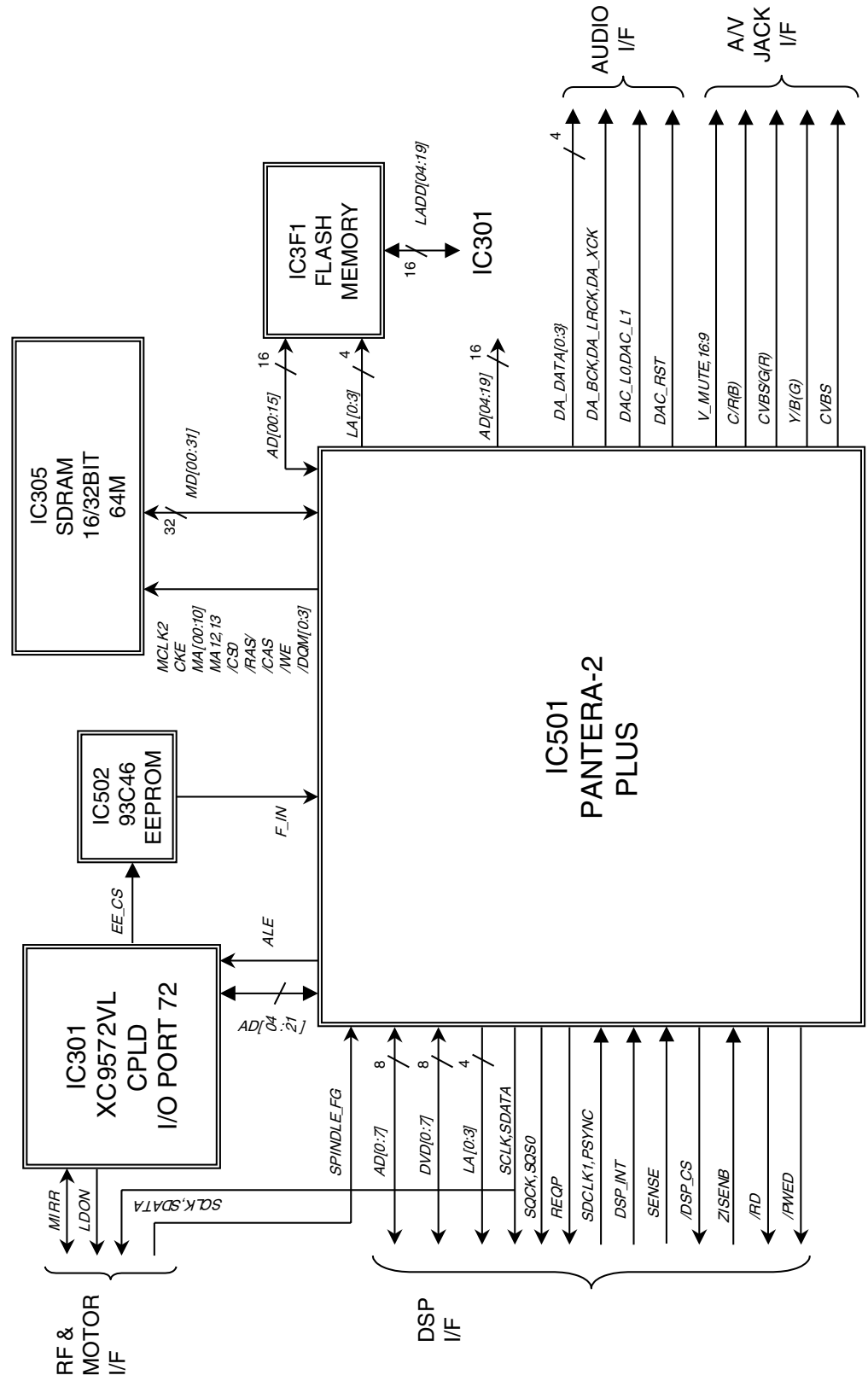
2. RF/CD DSP/DVD DSP/DVD SERVO BLOCK DIAGRAM



3. AUDIO BLOCK DIAGRAM

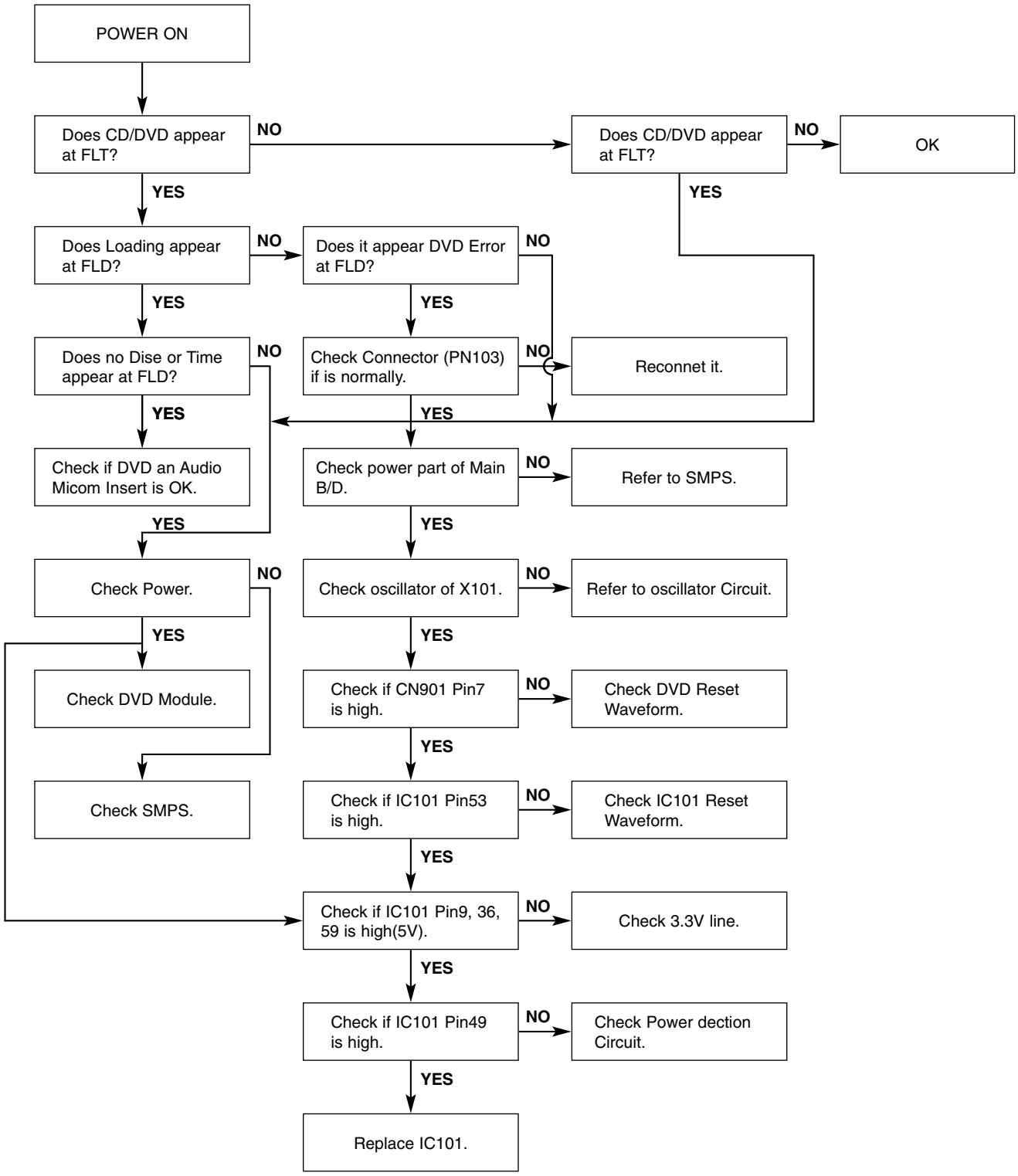


4. MPEG Block Diagram



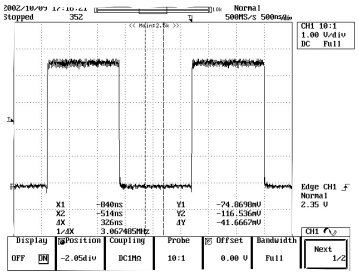
AMP PART
ELECTRICAL TROUBLESHOOTING GUIDE

AUDIO µ-COM Circuit



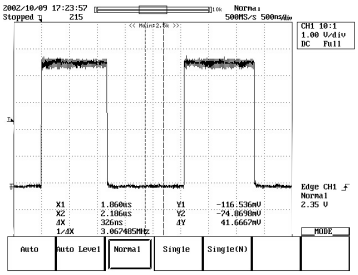
WAVEFORMS OF MAJOR CHECK POINT

1)



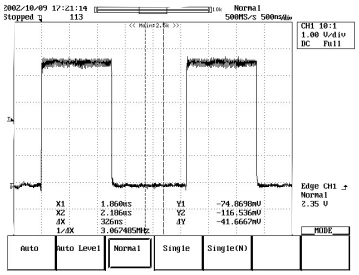
• R311 → FRONT L

2)



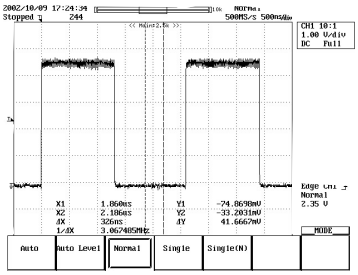
• R303 → FRONT R

3)



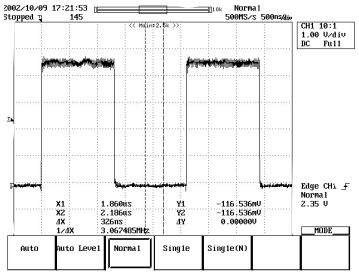
• R309 → SURROUND L

4)



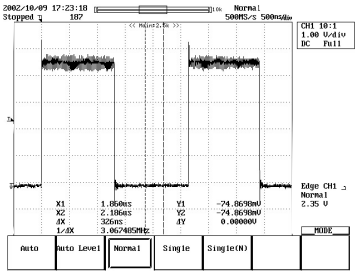
• R309 → SURROUND R

5)



• R307 → CENTER

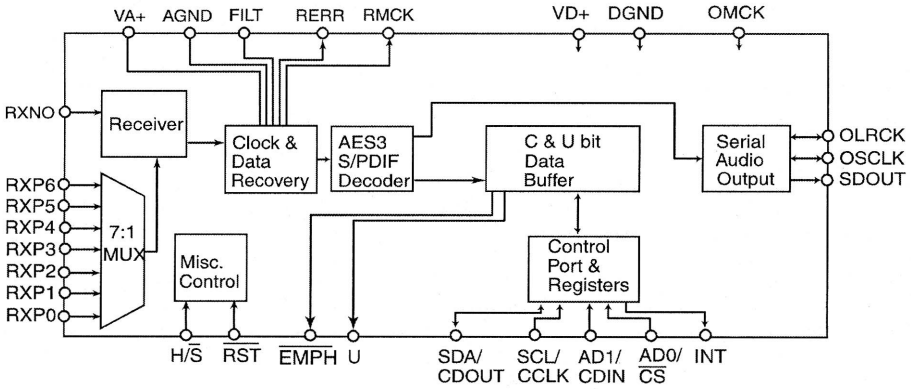
6)



• R305 → WOOFER

INTERNAL BLOCK DIAGRAM OF ICs

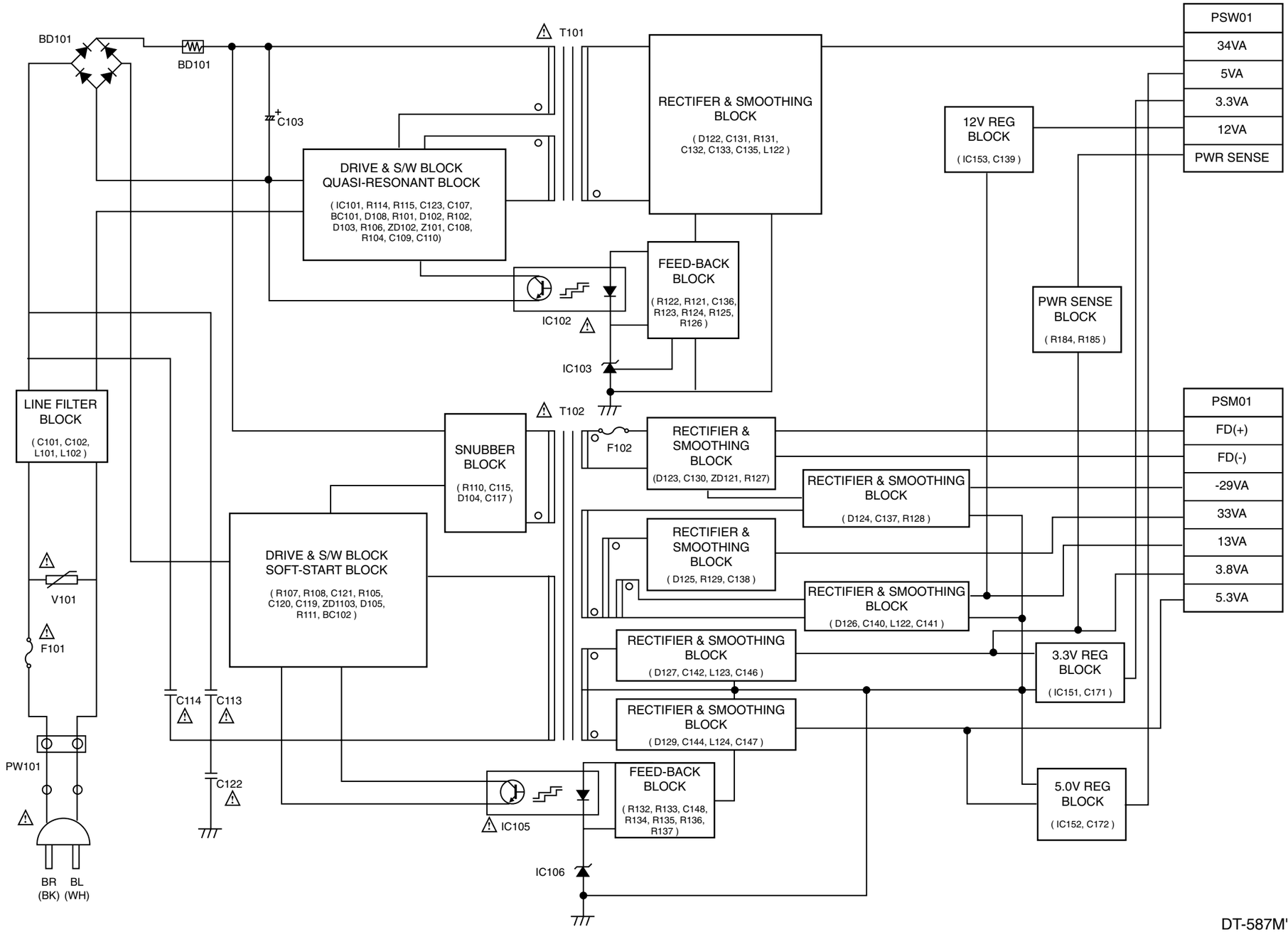
- **CS8415A**



MEMO

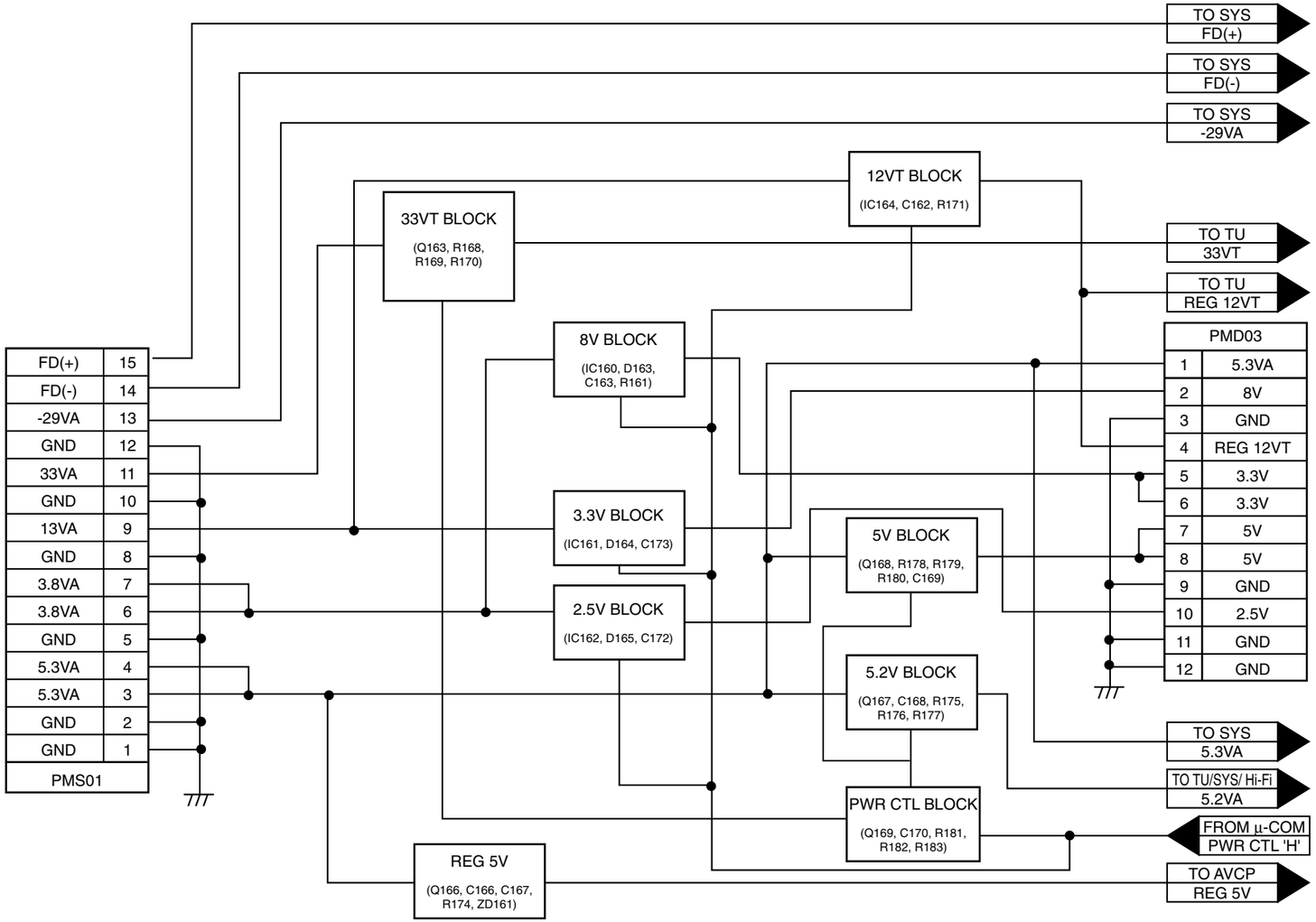
BLOCK DIAGRAMS

1. POWER(SMPS) BLOCK DIAGRAM 1



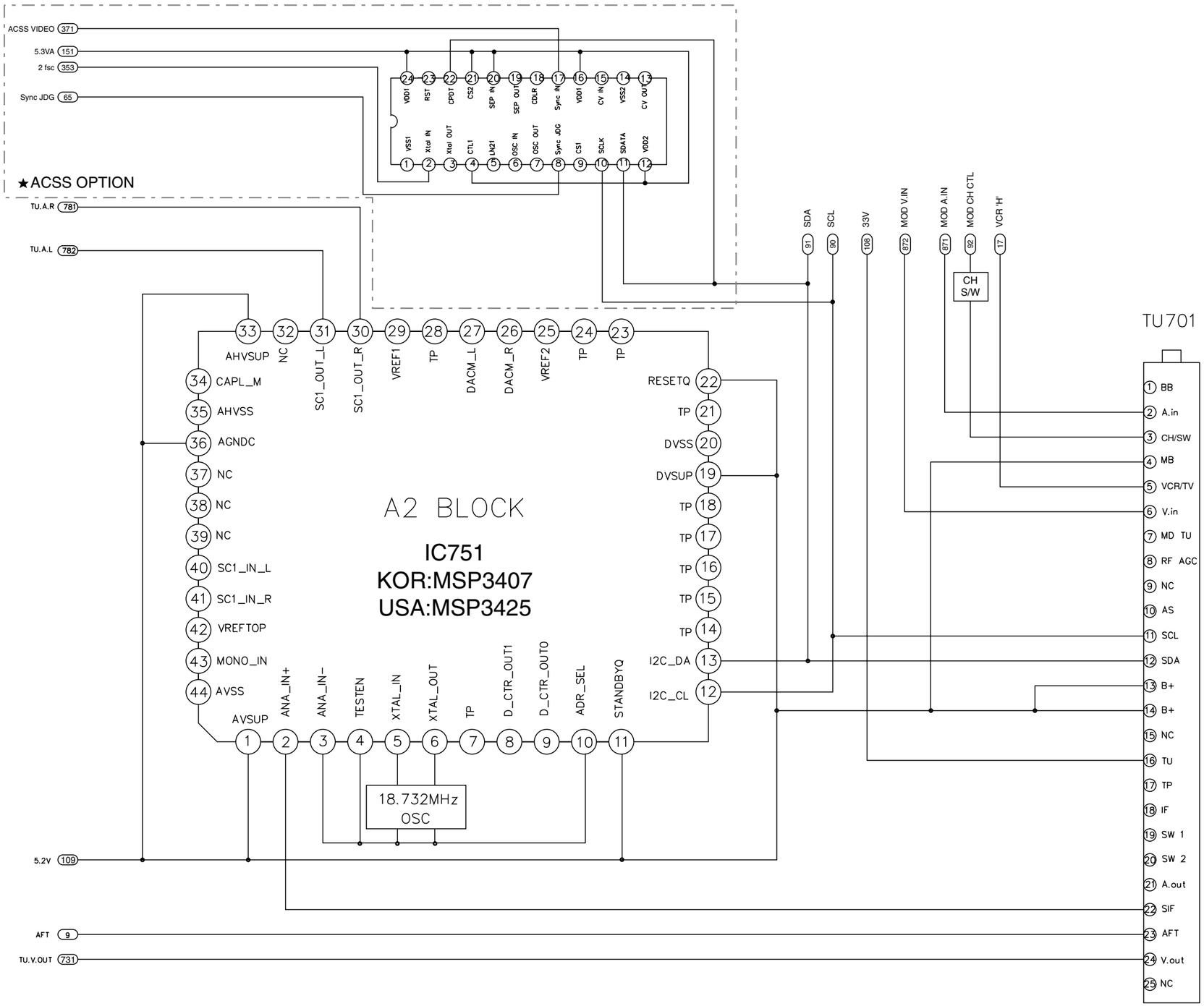
DT-587M's

2. POWER(SMPS) BLOCK DIAGRAM 2



DT-587M's

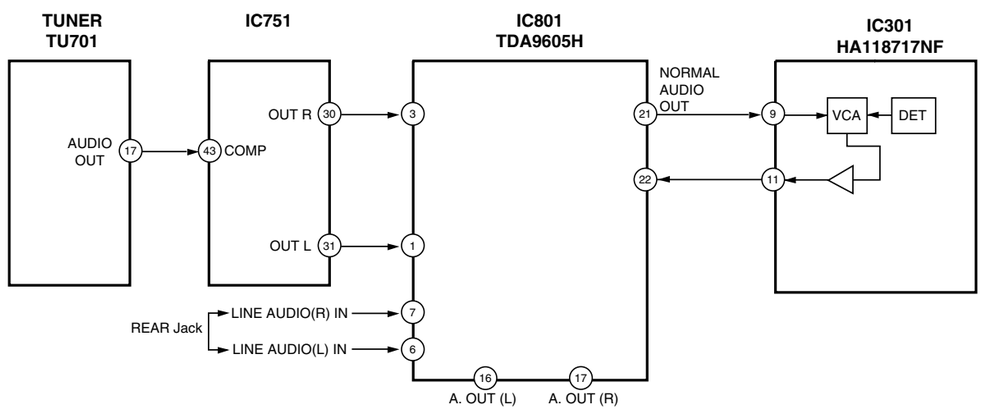
3. TU/IF, ACSS & A2 BLOCK DIAGRAM


ACSS VIDEO 371
5.3VA 151
2 fsc 353
Sync JDG 65
★ACSS OPTION
TU.A.R 781
TU.A.L 782
VDD1 RST CPDT CS2 SEP IN SEP OUT CDLR Sync IN VDD1 CV IN VSS2 CV OUT
VSS1 Xtal IN Xtal OUT CTL1 LN21 OSC IN OSC OUT Sync JDG CS1 SCLK SDATA VDD2
SDA 91
SCL 90
33V 108
MOD V.IN 872
MOD A.IN 871
MOD CH CTL 92
VCR 'H' 17
CH S/W
AHVSUP NC SC1_OUT_L SC1_OUT_R VREF1 TP DACM_L DACM_R VREF2 TP TP
CAPL_M AHVSS AGNDC NC NC SC1_IN_L SC1_IN_R VREFTOP MONO_IN AVSS
RESETQ TP DVSS DVSUP TP TP TP TP I2C_DA I2C_CL
A2 BLOCK
IC751
KOR:MSP3407
USA:MSP3425
AVSUP ANA_IN+ ANA_IN- TESTEN XTAL_IN XTAL_OUT TP D_CTR_OUT1 D_CTR_OUT0 ADR_SEL STANDBYQ
18.732MHz OSC
5.2V 109
AFT 9
TU.V.OUT 731
TU701
BB A.in CH/SW MB VCR/TV V.in MD TU RF AGC NC AS SCL SDA B+ B+ NC TU TP IF SW 1 SW 2 A.out SIF AFT V.out NC

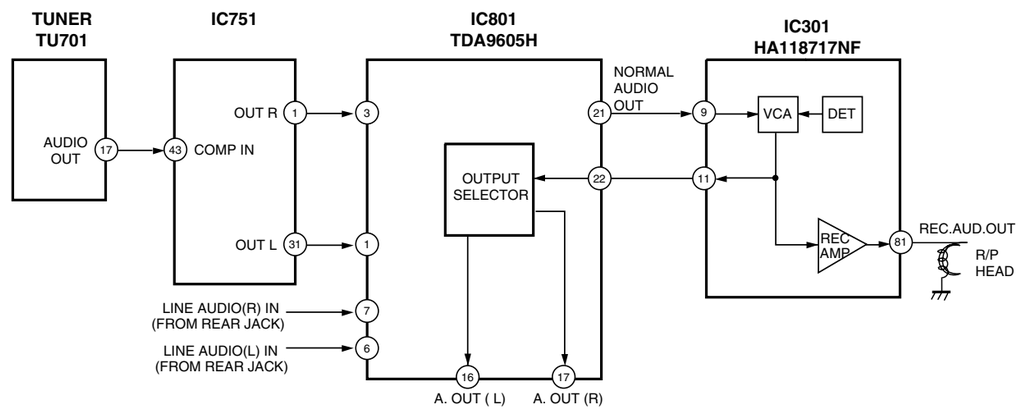
DT-587M's

4. NORMAL AUDIO BLOCK DIAGRAM

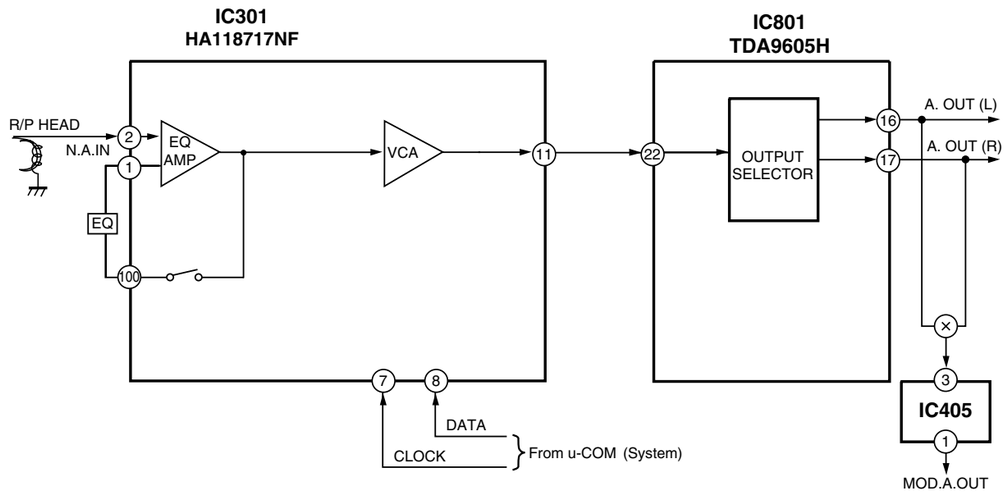
(EE MODE)



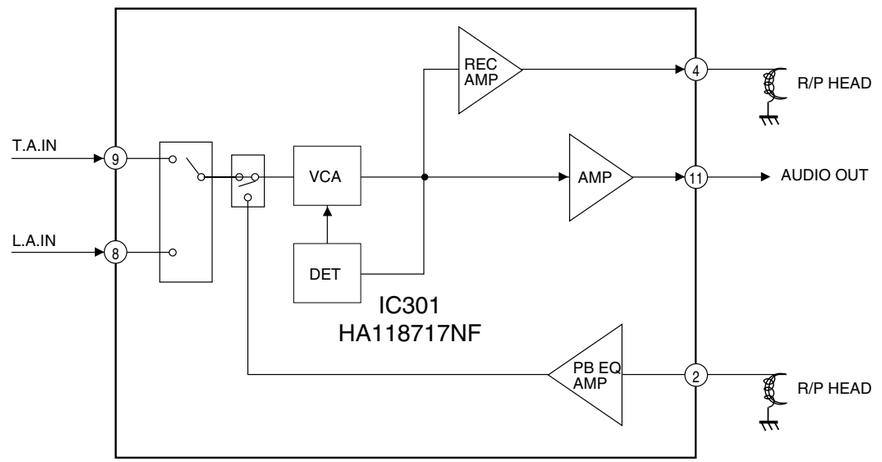
(REC MODE)



(PB MODE)

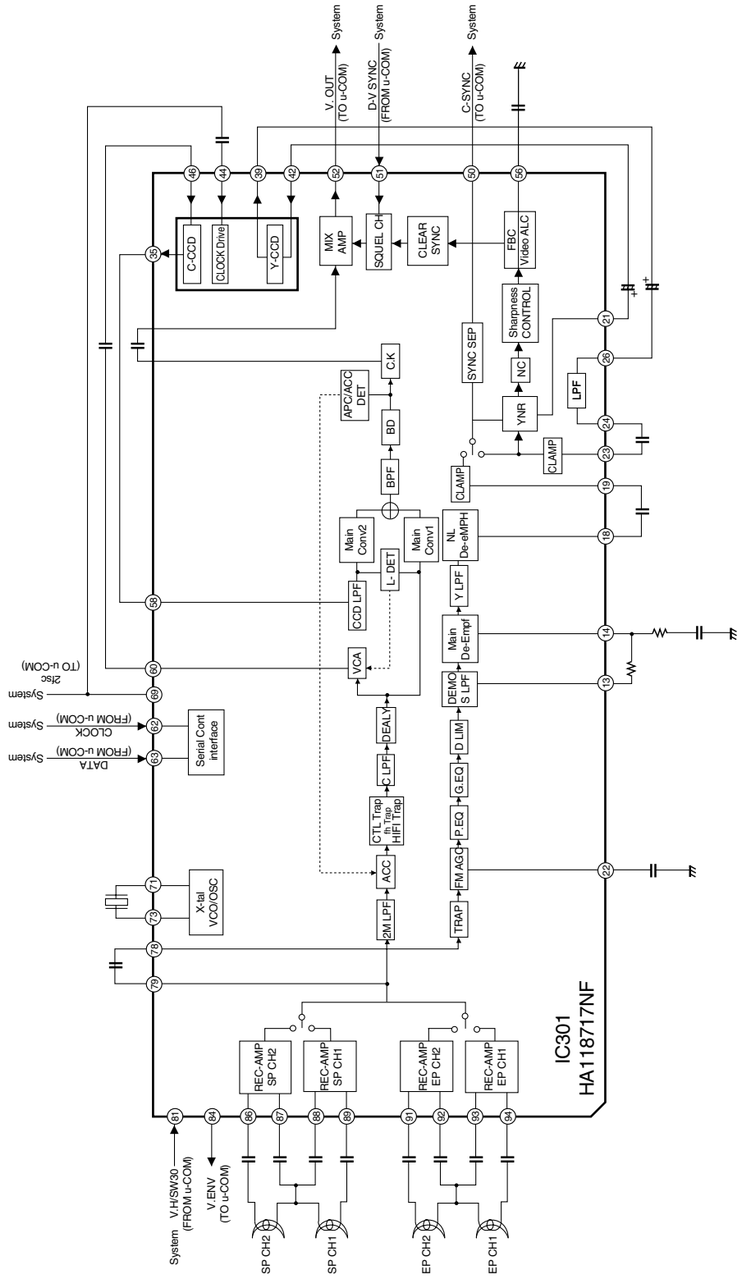


(AUDIO BLOCK)

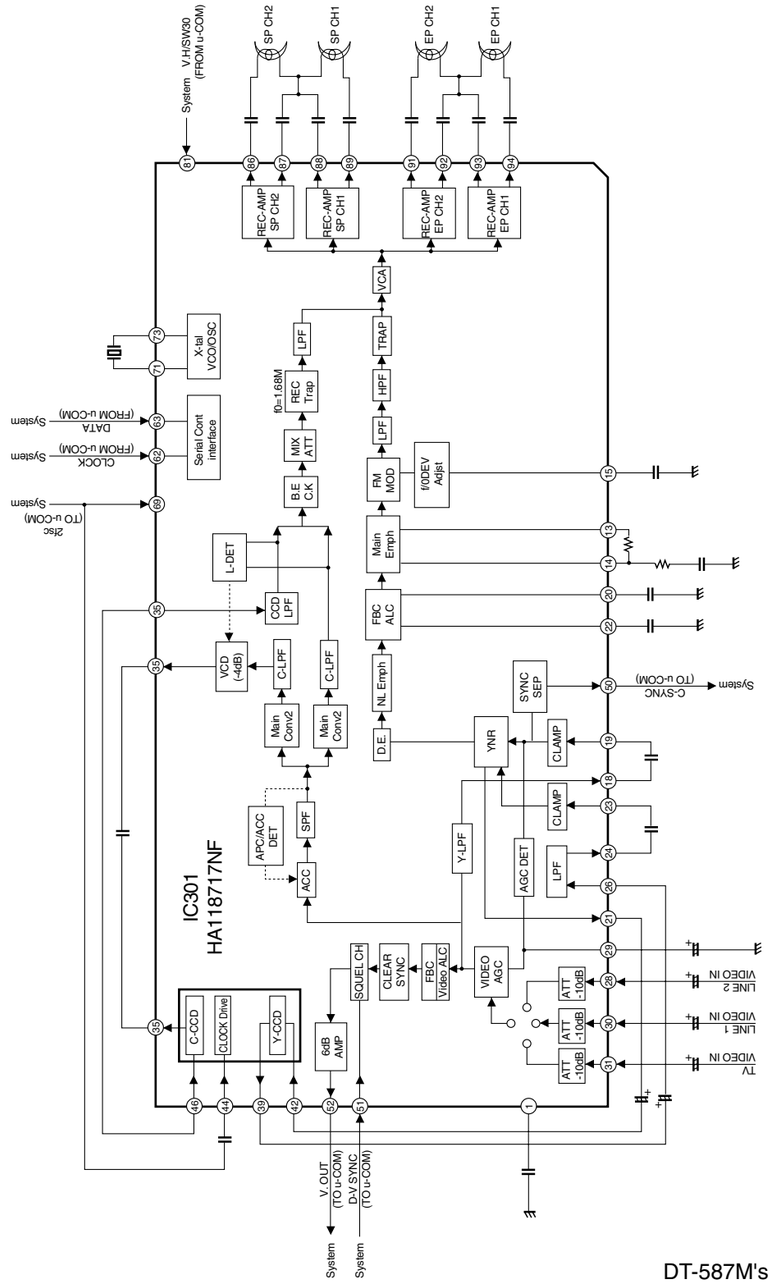


5. A/V BLOCK DIAGRAM

(PB MODE)

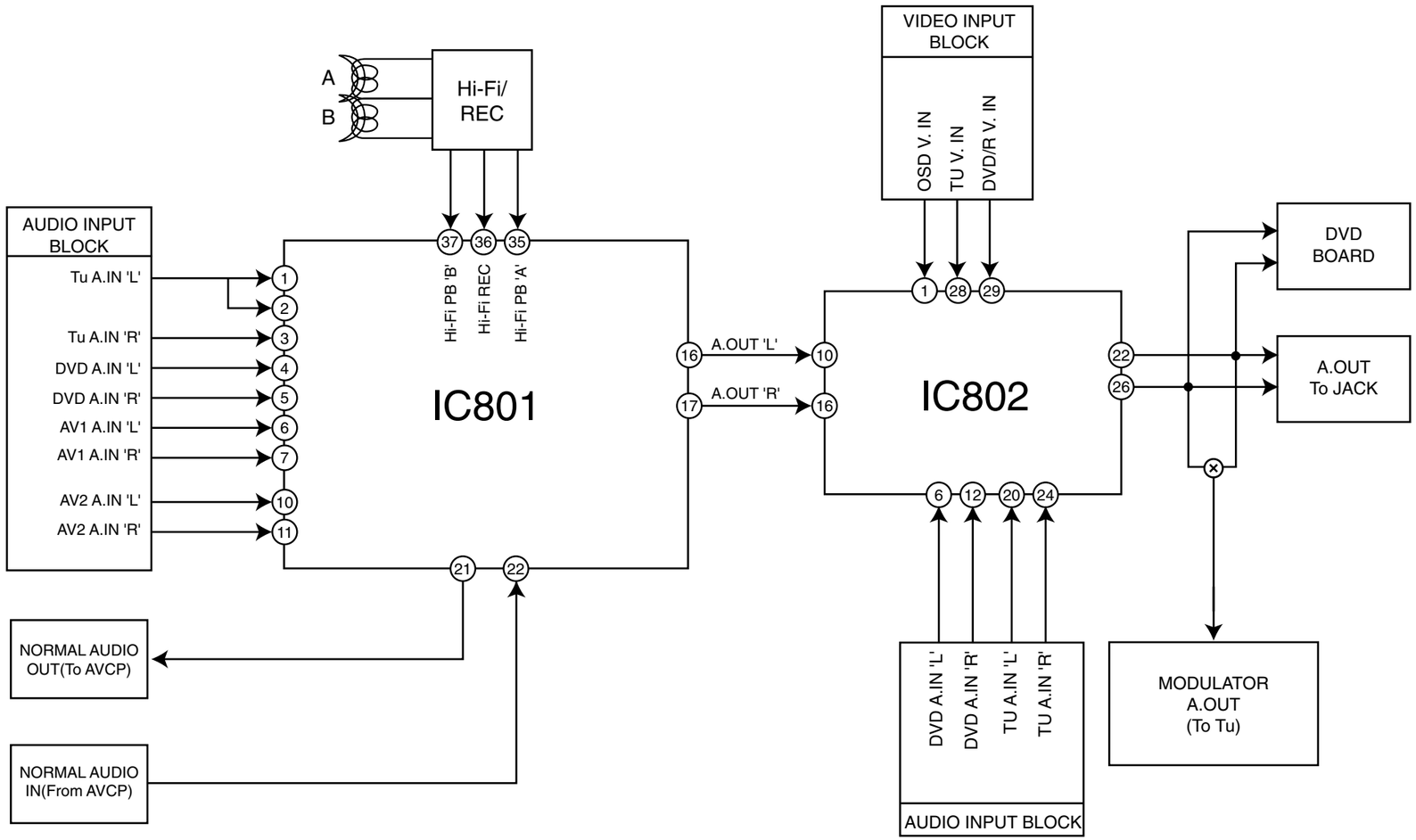


(REC MODE)

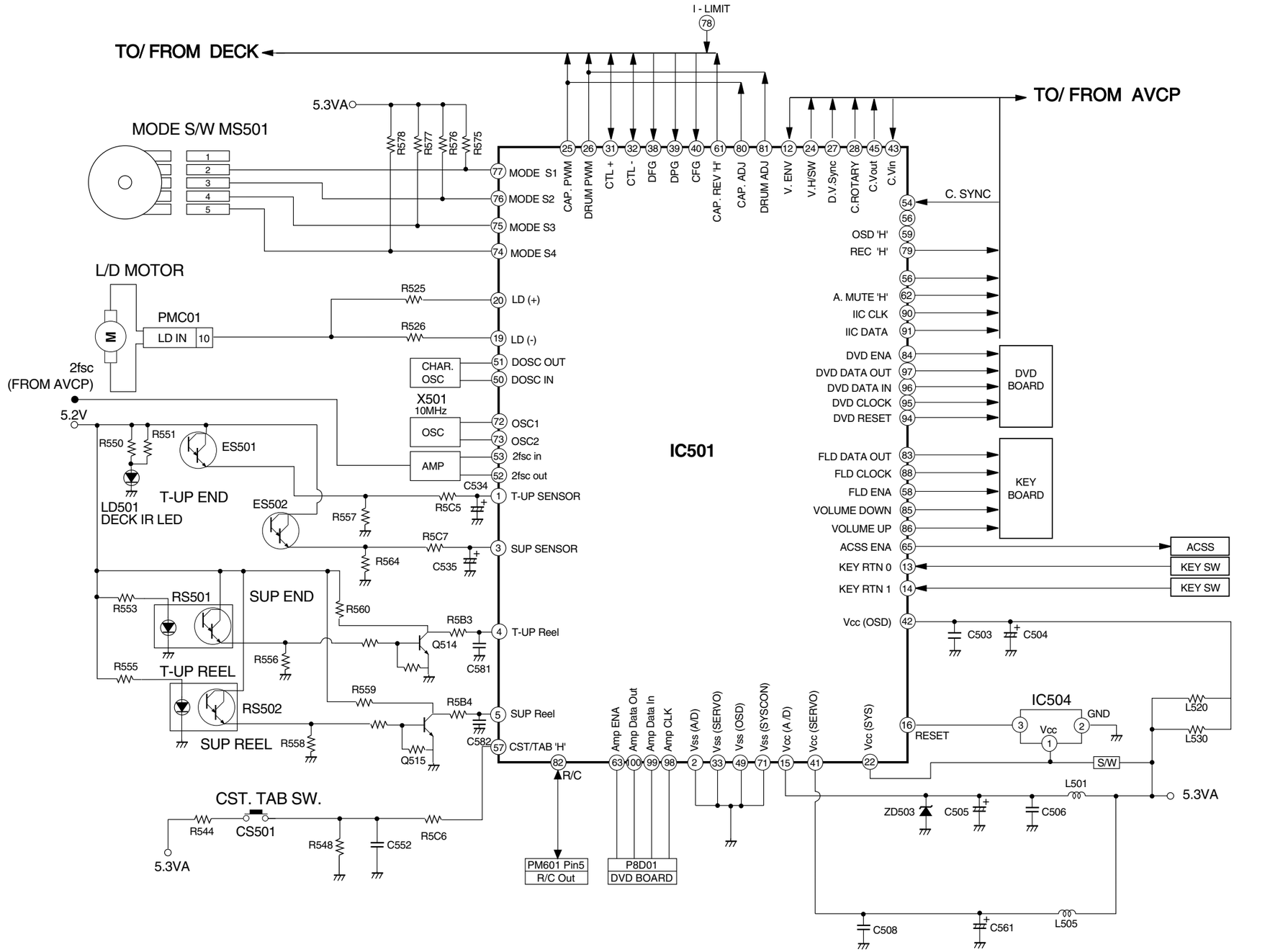


DT-587M's

6. Hi-Fi BLOCK DIAGRAM



7. SYSTEM BLOCK DIAGRAM



DT-587M's

CIRCUIT DIAGRAMS

1. POWER(SMPS) CIRCUIT DIAGRAM 1

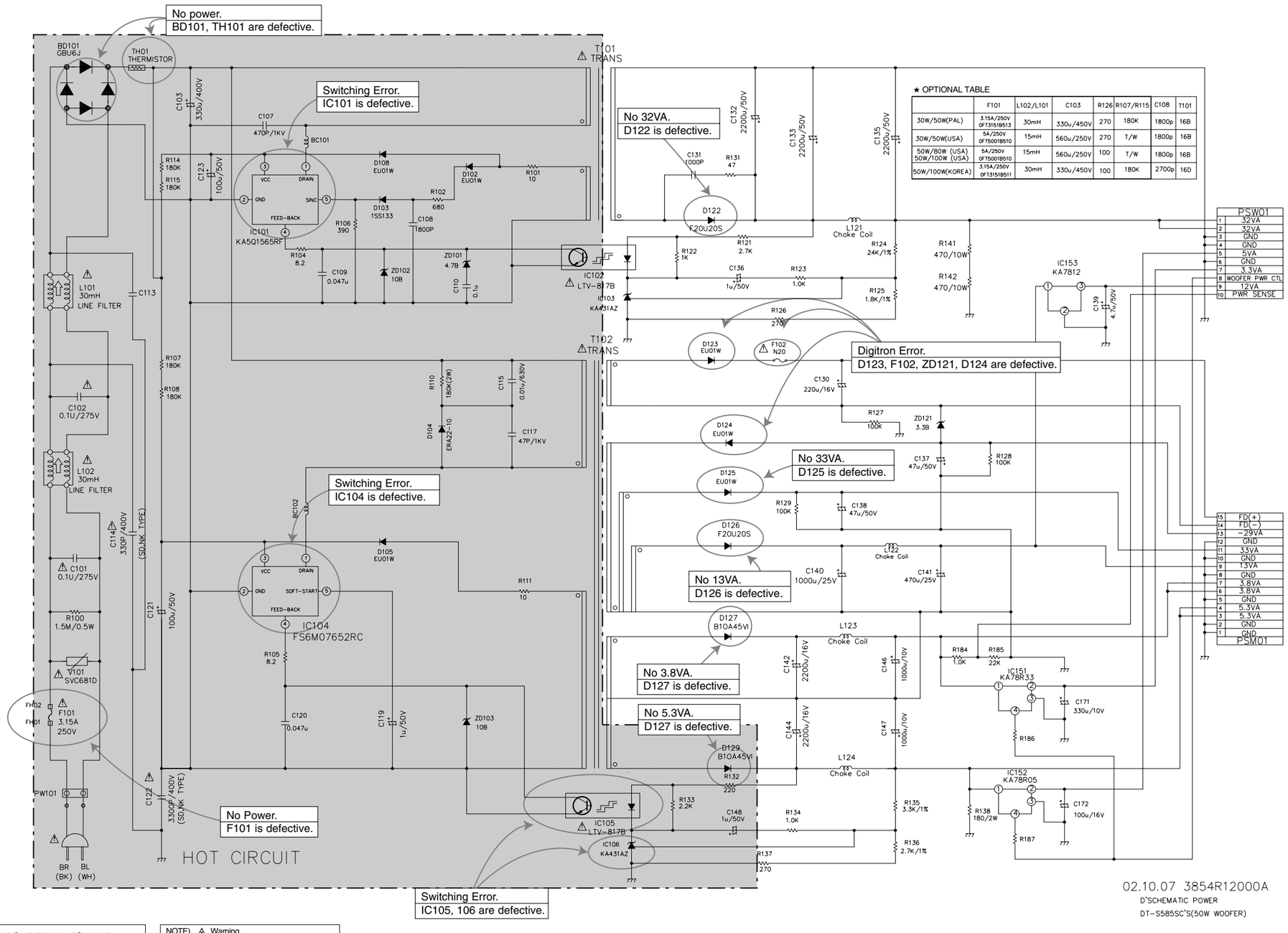
IMPORTANT SAFETY NOTICE

WHEN SERVICING THIS CHASSIS, UNDER NO CIRCUMSTANCES SHOULD THE ORIGINAL DESIGN BE MODIFIED OR ALTERED WITHOUT PERMISSION FROM THE ZENITH ELECTRONICS CORPORATION. ALL COMPONENTS SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT. SPECIAL COMPONENTS ARE SHADED ON THE SCHEMATIC FOR EASY IDENTIFICATION.

THIS CIRCUIT DIAGRAM MAY OCCASIONALLY DIFFER FROM THE ACTUAL CIRCUIT USED. THIS WAY, IMPLEMENTATION OF THE LATEST SAFETY AND PERFORMANCE IMPROVEMENT CHANGES INTO THE SET IS NOT DELAYED UNTIL THE NEW SERVICE LITERATURE IS PRINTED.

NOTE :

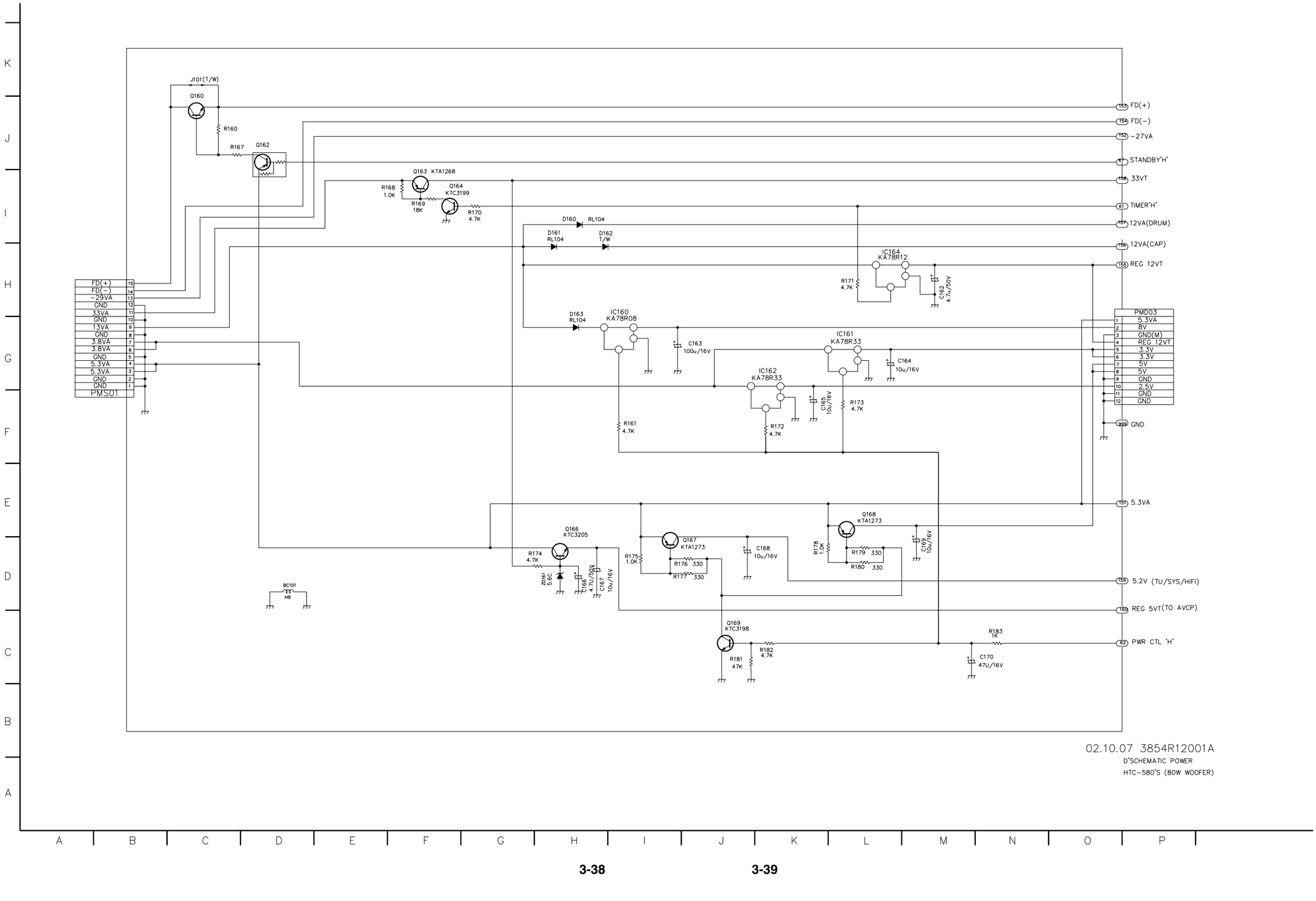
1. Shaded(■) parts are critical for safety. Replace only with specified part number.
2. Voltages are DC-measured with a digital voltmeter during Play mode.



LOCATION GUIDE

BC101	E11	R142	L9
BC102	E6	R184	M4
BD101	B12	R185	M4
C101	B5	R186	M3
C102	B7	R187	M2
C103	C11	T101	H12
C107	D11	T102	H8
C108	F10	TH01	C12
C109	E9	V101	B4
C110	G9	ZD101	F9
C113	C9	ZD102	F9
C114	B6	ZD103	G4
C115	G8	ZD121	L7
C117	G7		
C119	F4		
C120	E4		
C121	C5		
C122	C3		
C123	D10		
C130	K8		
C131	I10		
C132	J11		
C133	K11		
C135	L11		
C136	J9		
C137	L7		
C138	K6		
C139	N9		
C140	K5		
C141	L5		
C142	K4		
C144	K3		
C146	L4		
C147	L3		
C148	J2		
C171	N4		
C172	N3		
D102	G10		
D103	F10		
D104	F7		
D105	F6		
D108	F10		
D122	J10		
D123	J8		
D124	J7		
D125	J7		
D126	J6		
D127	J5		
D129	J3		
F102	J8		
FH01	A4		
FH02	A4		
IC101	D10		
IC102	H9		
IC103	H9		
IC104	E5		
IC105	H2		
IC106	H2		
IC151	M4		
IC152	M3		
IC153	N9		
L101	B9		
L102	B7		
L121	K10		
L122	L6		
L123	K5		
L124	K3		
PSM01	P5		
PSW01	P10		
PW101	B3		
R100	B5		
R101	G10		
R102	F10		
R104	E9		
R105	D4		
R106	E10		
R107	C8		
R108	C8		
R110	F8		
R111	G5		
R114	C10		
R115	C10		
R121	J9		
R122	I9		
R123	K9		
R124	L9		
R125	L9		
R126	J9		
R127	L7		
R128	M7		
R129	K6		
R131	J10		
R132	J3		
R133	I3		
R134	K2		
R135	L3		
R136	L2		
R137	J2		
R138	M3		
R141	L9		

2. POWER(SMPS) CIRCUIT DIAGRAM 2

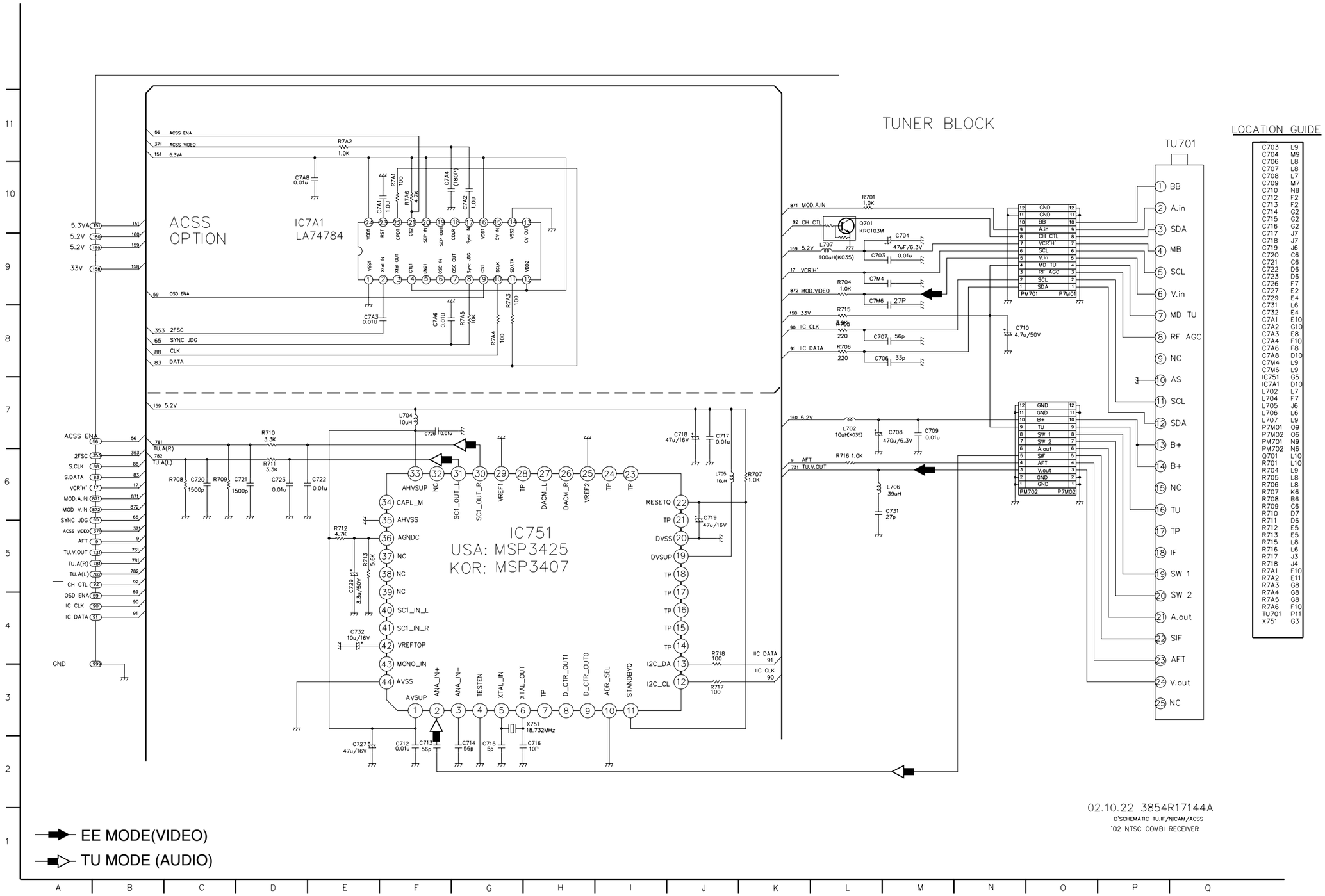


02.10.07 3854R12001A

D'SCHEMATIC POWER

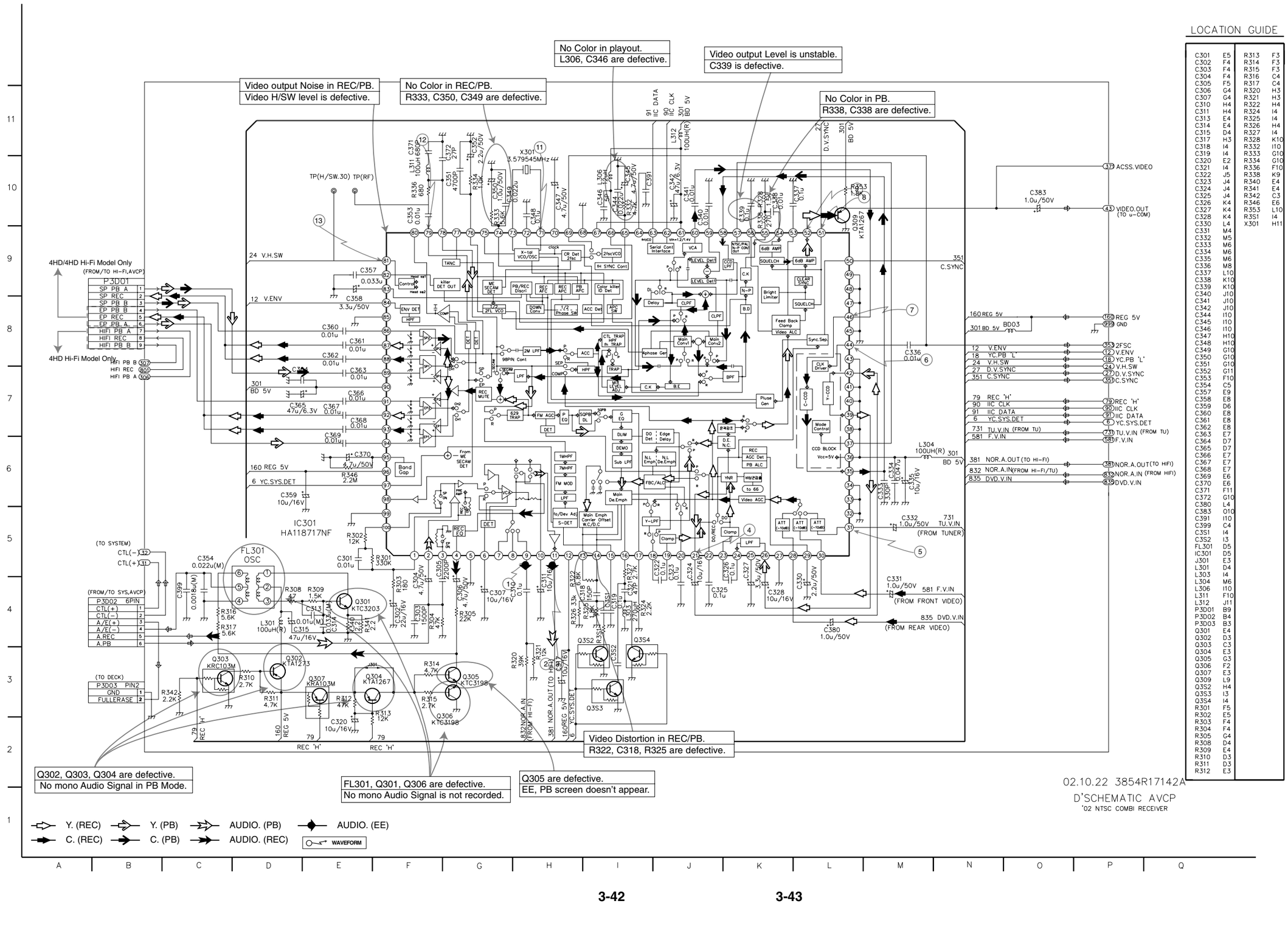
HTC-580'S (80W WOOFER)

3. TU/IF, ACSS & A2 CIRCUIT DIAGRAM



02.10.22 3854R17144A
D'SCHEMATIC TU.IF./NICAM/ACSS
'02 NTSC COMBI RECEIVER

4. A/V CIRCUIT DIAGRAM

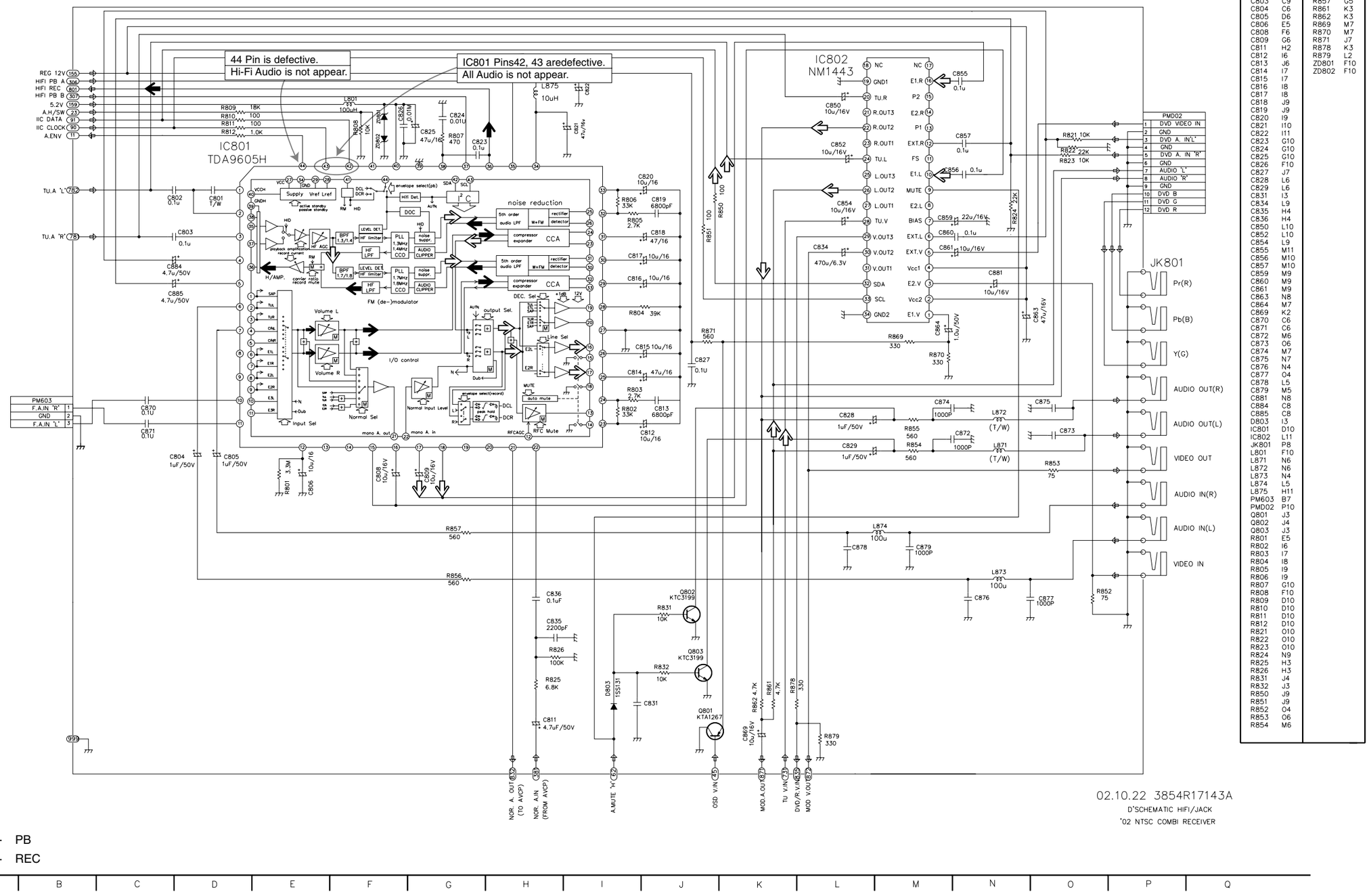


LOCATION GUIDE

C301	E5	R313	F3
C302	F4	R314	F3
C303	F4	R315	F3
C304	F4	R316	C4
C305	F5	R317	C4
C306	G4	R320	H3
C307	G4	R321	H3
C310	H4	R322	H4
C311	H4	R324	I4
C313	E4	R325	I4
C314	E4	R326	H4
C315	D4	R327	I4
C317	H3	R328	K10
C318	I4	R332	I10
C319	I4	R333	G10
C320	E2	R334	G10
C321	I4	R336	F10
C322	J5	R338	K9
C323	J4	R340	E4
C324	J4	R341	E4
C325	J4	R342	C3
C326	K4	R346	E6
C327	K4	R353	L10
C328	K4	R351	I4
C330	L4	X301	H11
C331	M4		
C332	M5		
C333	M6		
C334	M6		
C335	M6		
C336	M8		
C337	L10		
C338	K10		
C339	K10		
C340	J10		
C341	J10		
C342	J10		
C344	I10		
C345	I10		
C346	I10		
C347	H10		
C348	H10		
C349	G10		
C350	G10		
C351	G10		
C352	G11		
C353	F10		
C354	C5		
C357	E9		
C358	E8		
C359	D6		
C360	E8		
C361	E8		
C362	E8		
C363	E7		
C364	D7		
C365	D7		
C366	E7		
C367	E7		
C368	E7		
C369	E6		
C370	E6		
C371	F11		
C372	G10		
C380	L4		
C383	O10		
C391	I10		
C399	C4		
C3S1	I4		
C3S2	I3		
FL301	D5		
IC301	D5		
J301	E3		
L301	D4		
L303	I4		
L304	M6		
L306	I10		
L311	F10		
L312	J11		
P3D01	B9		
P3D02	B4		
P3D03	B3		
Q301	E4		
Q302	D3		
Q303	C3		
Q304	E3		
Q305	G3		
Q306	F2		
Q307	E3		
Q309	L9		
Q3S2	H4		
Q3S3	I3		
Q3S4	I4		
R301	F5		
R302	E5		
R303	F4		
R304	F4		
R305	G4		
R308	D4		
R309	E4		
R310	D3		
R311	D3		
R312	E3		

02.10.22 3854R17142A
D'SCHEMATIC AVCP
'02 NTSC COMBI RECEIVER

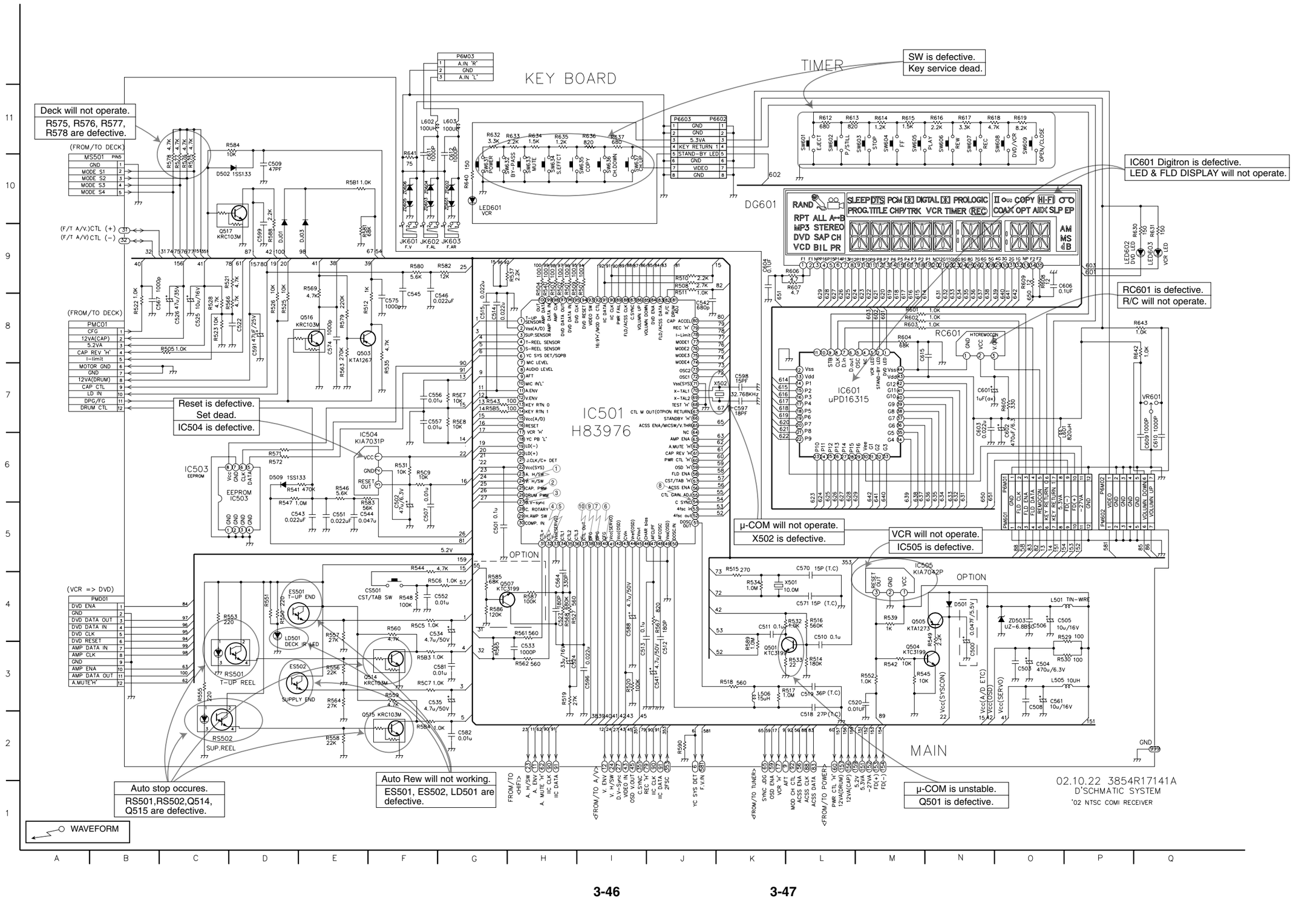
5. Hi-Fi CIRCUIT DIAGRAM



LOCATION GUIDE

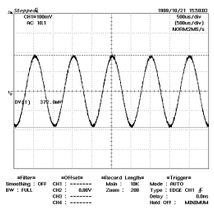
C801	D9	R855	M6
C802	C9	R856	G4
C803	C9	R857	G5
C804	C6	R861	K3
C805	D6	R862	K3
C806	E5	R869	M7
C808	F6	R870	M7
C809	G6	R871	J7
C811	H2	R878	K3
C812	I6	R879	L2
C813	J6	ZD801	F10
C814	I7	ZD802	F10
C815	I7		
C816	I8		
C817	I8		
C818	J9		
C819	J9		
C820	I9		
C821	I10		
C822	I11		
C823	G10		
C824	G10		
C825	G10		
C826	F10		
C827	J7		
C828	L6		
C829	L6		
C831	I3		
C834	L9		
C835	H4		
C836	H4		
C850	L10		
C852	L10		
C854	L9		
C855	M11		
C856	M10		
C857	M10		
C859	M9		
C860	M9		
C861	M9		
C863	N8		
C864	M7		
C869	K2		
C870	C6		
C871	C6		
C872	M6		
C873	O6		
C874	M7		
C875	N7		
C876	N4		
C877	O4		
C878	L5		
C879	M5		
C881	N8		
C884	C8		
C885	C8		
D803	I3		
IC801	D10		
IC802	L11		
JK801	P8		
L801	F10		
L871	N6		
L872	N6		
L873	N4		
L874	L5		
L875	H11		
PM603	B7		
PMD02	P10		
Q801	J3		
Q802	J4		
Q803	J3		
R801	E5		
R802	I6		
R803	I7		
R804	I8		
R805	I9		
R806	I9		
R807	G10		
R808	F10		
R809	D10		
R810	D10		
R811	D10		
R812	D10		
R821	O10		
R822	O10		
R823	O10		
R824	N9		
R825	H3		
R826	H3		
R831	J4		
R832	J3		
R850	J9		
R851	J9		
R852	O4		
R853	O6		
R854	M6		

6. SYSTEM CIRCUIT DIAGRAM

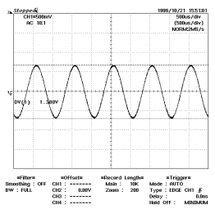


• WAVEFORM

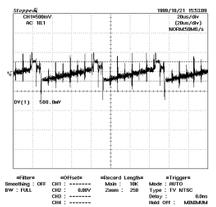
* IC301 Waveform

① 

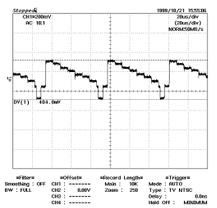
IC301 ⑨ Pin
(TU A.IN)

② 

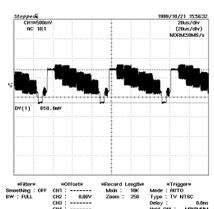
IC301 ⑪ Pin
(A.OUT)

③ 

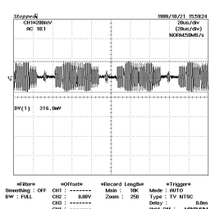
IC301 ⑪ Pin
(MAIN EMPH)

④ 

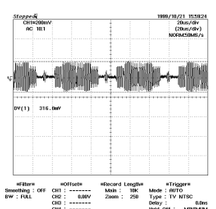
IC301 ㉑ Pin
(CCD IH DELAY)

⑤ 

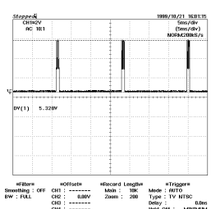
IC301 ㉛ Pin
(TU V.IN)

⑥ 

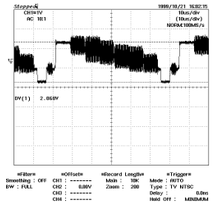
IC301 ㊹ Pin
(CCD CLOCK)

⑦ 

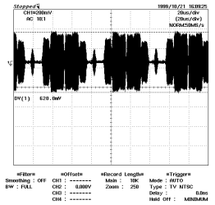
IC301 ㊻ Pin
(CCD 1H DELAY)

⑧ 

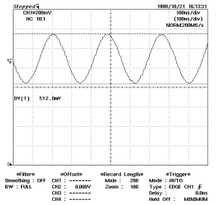
IC301 ㊶ Pin
(D.V SYNC, TRICK MODE)

⑨ 

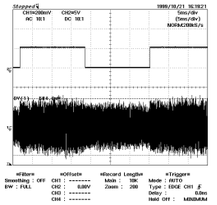
IC301 ㊷ Pin
(V.OUT)

⑩ 

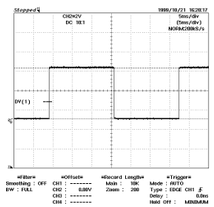
IC301 ㊺ Pin
(COLOR OUT,
PB MODE)

⑪ 

IC301 ㉑ Pin
(3.579545M OSC)

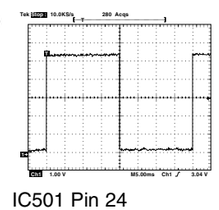
⑫ 

IC301 ㊾ Pin
(PB RF)

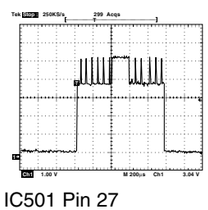
⑬ 

IC301 ㉛ Pin
(V.H.S/W30)

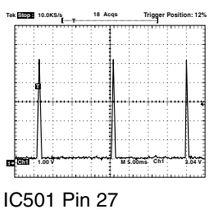
★ IC501 Waveform

① 

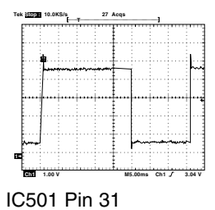
IC501 Pin 24
REC/PB
(V.H/SW)

② 

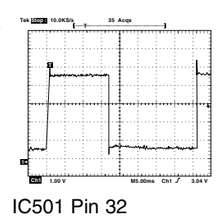
IC501 Pin 27
QUE/REV
(D-V-SYNC)

③ 

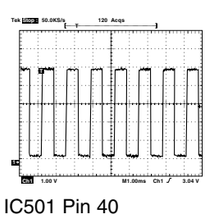
IC501 Pin 27
QUE/REV
(D-V-SYNC)

④ 

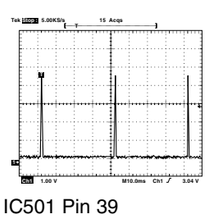
IC501 Pin 31
REC
(CTL+)

⑤ 

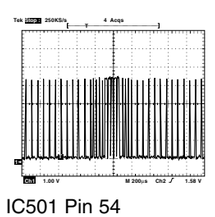
IC501 Pin 32
REC
(CTL-)

⑥ 

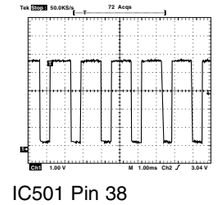
IC501 Pin 40
REC/PB
(CFG)

⑦ 

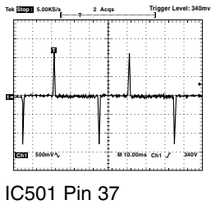
IC501 Pin 39
REC/PB
(DPG)

⑧ 

IC501 Pin 54
REC/PB
(C-SYNC)

⑨ 

IC501 Pin 38
REC/PB
(DFG)

⑩ 

IC501 Pin 37
PB
(CTL OUT)

• CIRCUIT VOLTAGE CHART

MODE / PIN NO.	EE	PLAY
IC160		
1	13.63	12.93
2	8.06	8.06
3	0	0
4	4.27	4.28
IC161		
1	3.9	3.83
2	3.27	3.27
3	0	0
4	4.27	4.27
IC162		
1	3.9	3.82
2	3.31	3.31
3	0	0
4	4.27	4.27
IC164		
1	14.32	13.6
2	12.06	12.05
3	0	0
4	4.27	4.27
IC301		
1	2.4	2.5
2	2.4	2.5
3	0	0
4	2.3	0
5	0	0
6	2.8	2.8
7	2.5	2.8
8	2.5	2.5
9	2.5	2.5
10	2.4	2.4
11	2.4	2.4
12	5.1	5.1
13	1.4	2.1
14	1.4	2.1
15	3	2.1
16	0.7	1.7
17	2	0
18	2.1	2.3
19	3	2.9
20	2.6	1.4
21	2.2	2.2
22	2	1.9
23	3	2.8
24	2.1	2.1
25	1.4	1.4
26	2	2
27	0	0
28	2.7	2.8
29	1.9	2.1
30	2.8	2.8
31	2.7	2.8
32	0	0
33	0	0
34	0	0

MODE / PIN NO.	EE	PLAY
35	3.1	3
36	5.1	5.1
37	0	5.1
38	5.1	5.1
39	3.3	3.2
40	5.1	5.1
41	5.1	5.1
42	2.2	2.1
43	5.1	5.1
44	2.6	2.6
45	0	0
46	2.1	2
47	0	0
48	0	0
49	0	0
50	0	0.5
51	0	0
52	2.3	1.4
53	2.8	2.3
54	1.9	2
55	2	2
56	2.7	2.2
57	0	5.1
58	3.1	3.1
59	2.8	2.9
60	2.1	2.5
61	5.1	5.1
62	4.9	5.2
63	4.8	5.2
64	4.3	4.3
65	3.1	3.8
66	5.1	5.1
67	5.1	5.1
68	0	0
69	2.8	2.8
70	2.5	2.5
71	2.1	2.1
72	1.3	2.2
73	1.6	1.7
74	1	2.6
75	0	0.5
76	2.3	2.4
77	0	0
78	2.7	2.7
79	4	4
80	0	0
81	2.6	5.2
82	1.3	2.4
83	2.3	2.5
84	0.6	2.4
85	0	0
86	2.3	2.2
87	2	2.2
88	2.3	2.2
89	2.3	2.2

MODE / PIN NO.	EE	PLAY
90	5.1	5.1
91	2.3	2.2
92	2.3	2.2
93	2.3	2.2
94	2.3	2.2
95	0	0.3
96	5.1	5.1
97	0	0
98	2.5	2.5
99	0	0
100	2.5	3
IC501		
1	4.39	0.12
2	0	0
3	0.05	0.02
4	5.12	5.1
5	0.02	0.02
6	0.09	0.05
7	0.13	0.16
8	0.09	0.18
9	0.81	3.38
10	0.09	0.17
11	0.05	0.64
12	0.12	1.89
13	5.17	5.16
14	5.17	5.16
15	5.17	5.17
16	5.13	5.13
17	5.12	5.12
18	0.03	0.03
19	0.04	0.04
20	5.11	5.1
21	0.03	0.03
22	5.14	5.14
23	0.05	2.57
24	0.03	2.58
25	0.03	2.7
26	0.03	2.66
27	0.04	0.04
28	5.13	2.57
29	5.13	5.13
30	0.04	0.12
31	2.24	2.24
32	2.25	2.24
33	0	0
34	0.04	0.05
35	2.25	2.24
36	2.25	2.24
37	2.25	2.24
38	4.84	2.54
39	0.38	0.48
40	4.76	2.43
41	5.16	5.16
42	4.8	4.8
43	2.38	2.41

MODE / PIN NO.	EE	PLAY
44	1.3	1.3
45	2.4	2.44
46	0	0
47	1.95	1.94
48	1.3	1.29
49	0	0
50	1.37	1.37
51	1.29	1.29
52	2.29	2.29
53	2.33	2.33
54	0.47	0.47
55	0.02	0.02
56	5.12	5.11
57	0	4.93
58	4.09	4.05
59	5.11	5.11
60	5.03	5.02
61	5.09	0.01
62	2.58	0.01
63	4.66	4.66
64	0.05	0.09
65	0.01	2.69
66	5.17	0.01
67	0.01	0
68	0	0
69	1.3	1.31
70	0.9	0.91
71	0	0
72	2.32	2.32
73	2.38	2.38
74	0	5.16
75	0	5.16
76	5.17	5.16
77	5.17	0
78	0.02	3.5
79	0.02	0.88
80	0.02	2.7
81	0.02	2.58
82	4.11	4.1
83	5.11	4.42
84	4.67	2.67
85	4.47	4.46
86	4.47	4.46
87	4.28	4.18
88	5.11	4.39
89	4.76	4.76
90	5.17	4.92
91	5.17	4.76
92	4.78	4.77
93	0.02	0.02
94	4.89	4.88
95	5.07	5.04
96	2.03	2.4
97	4.83	2.9
98	5.11	5.06

MODE / PIN NO.	EE	PLAY
99	0.06	0.11
100	5.11	5.06
IC751		
1	5	5
2	1.5	1.5
3	1.5	1.5
4	0	0
5	2.3	2.3
6	2.2	2.2
7	0	0.5
8	0	0.5
9	0	0.5
10	0	0
11	5.1	5.1
12	4.6	4.7
13	4.3	4.3
14	0	2.5
15	0	2.5
16	0	5
17	0	0.5
18	0	0.5
19	5	5.1
20	0	0
21	0	0.5
22	5	5.5
23	0	0
24	0	0
25	0	0
26	0.5	0
27	0.5	0
28	0.4	0
29	0	0
30	2.8	2.8
31	2.8	2.8
32	0	0
33	5	5.1
34	4.2	4.1
35	0	0
36	2.8	2.7
37	0	0
38	0	0
39	0	0
40	2.7	2.7
41	2.8	2.7
42	2.6	2.6
43	2.8	2.7
44	0	0
IC801		
1	3.8	3.8
2	3.8	3.8
3	3.8	3.8
4	3.8	3.8
5	3.8	3.8
6	3.8	3.8
7	3.8	3.8

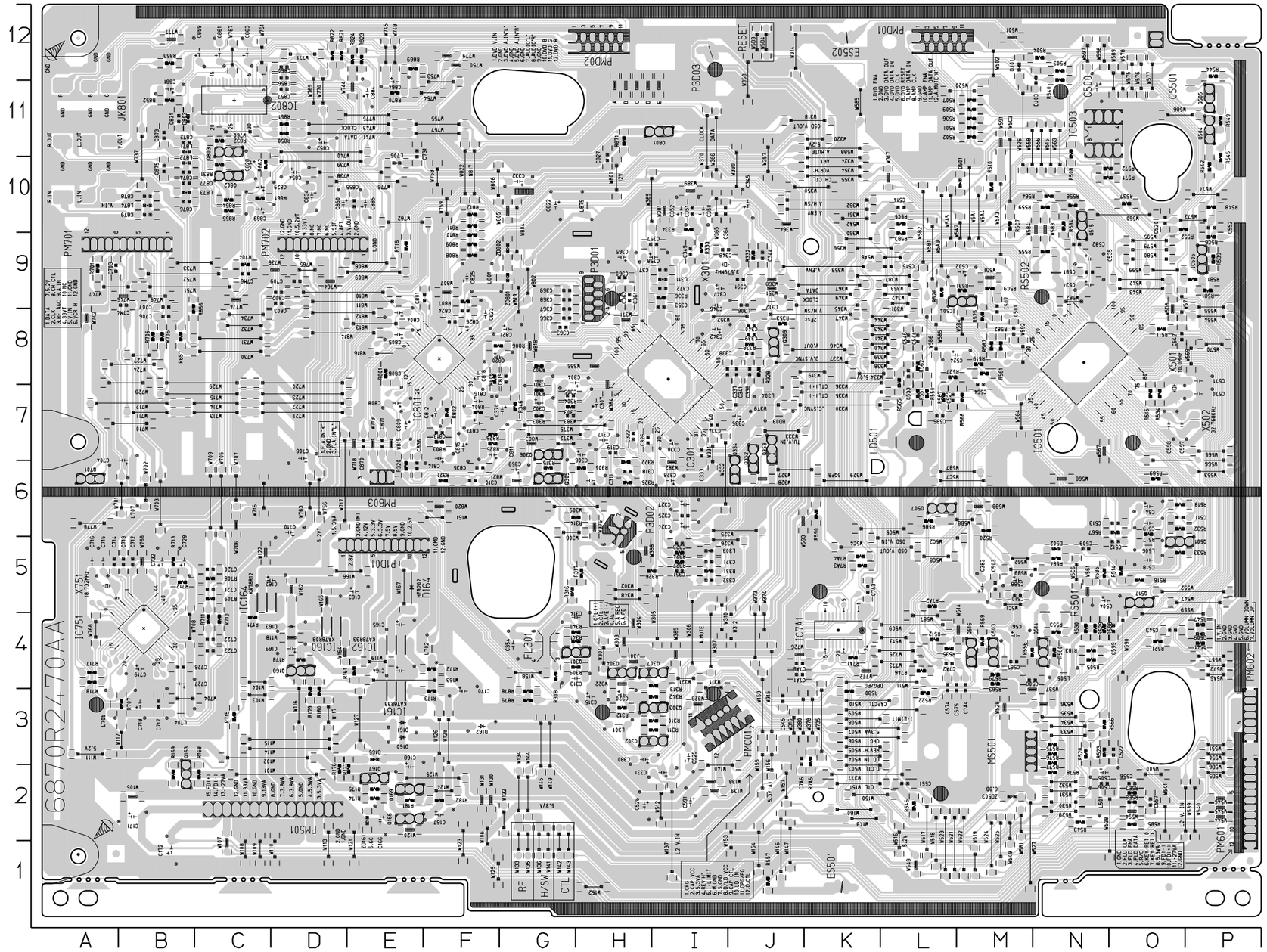
MODE / PIN NO.	EE	PLAY
8	3.8	3.8
9	3.8	3.8
10	3.8	3.8
11	3.8	3.8
12	0	0
13	3.8	3.8
14	0	0
15	2	2.1
16	6.1	6.1
17	6.1	6.1
18	2	2.1
19	6.1	6.1
20	6.1	6.1
21	4.6	4.6
22	3.8	3.8
23	3.8	3.9
24	3.8	3.9
25	3.9	3.9
26	0.8	0.9
27	0	0
28	3.8	3.8
29	3.9	3.9
30	0.8	0.9
31	3.9	3.9
32	3.8	3.9
33	3.8	3.9
34	12.3	12.2
35	0.3	0.3
36	0	0.7
37	0	1.2
38	0	0.7
39	0	0
40	5.1	4
41	0~2	0~2
42	0~5	0~5
43	0~5	0~5
44	0	0.6
IC802		
1	3.16	3.1
2	12.2	12.3
3	2.8	2.8
4	12.2	12.3
5	4.5	3.6
6	6.3	5.8
7	5.8	5.8
8	5.7	5.8
9	0	0
Q163		
1	34.6	34.6
2	34.5	34.5
3	33.9	33.9
Q166		
1	5.07	5.07
2	5.18	5.18
3	5.79	5.79

MODE / PIN NO.	EE	PLAY
Q167		
1	5.18	5.17
2	5.13	5.13
3	4.41	4.41
Q168		
1	5.18	5.18
2	5.15	5.15
3	4.43	4.42
Q169		
1	0	0
2	0.13	0.13
3	0.76	0.76

Location No.	EE			EE		
	E	C	B	E	C	B
Q801	2.8	2.6	0	2.8	2.6	0
Q802	0	0	0	0	0	0
Q803	0	0	0	0	0	0
Q501	0.04	2.7	0.56	0.14	2.7	0.6
Q503	1.28	0.35	2.88	1.3	0.4	2.9
Q504	0	0.02	0.7	0	0.02	0.4
Q505	5.2	5.2	4.5	5.2	5.2	4.5
Q507	5.2	5.2	0	5.2	2.2	0
Q514	pulse	pulse	pulse	0	pulse	pulse
Q515	0	pulse	pulse	0	pulse	pulse
Q516	0	2.4	1.3	0	2.5	1.3
Q517	pulse	2	pulse	0	pulse	pulse
Q301	0.01	0.2	0.2	-0.01	0.25	0.25
Q302	5.1	0.3	5.2	5.1	5.1	4.4
Q303	0.01	5	0.025	4.7	0.02	0.01
Q304	pulse	5	4.4	4.7	-28	4.7
Q305	0	0	0.7	-24	-0.015	-28
Q306	0	0	0.7	-24	0	-28
Q307	pulse	pulse	0.025	5.1	4.6	4.7
Q309	2.2	0	1.5			
Q701	0	pulse	0.09	0	pulse	0.09

PRINTED CIRCUIT DIAGRAMS

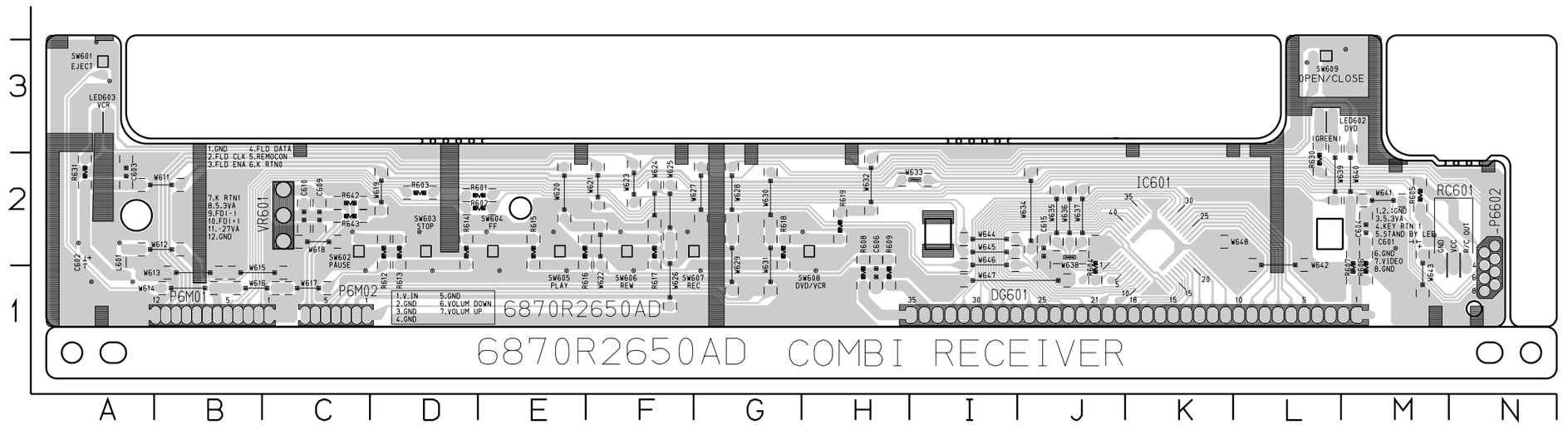
1. MAIN P.C.BOARD



LOCATION GUIDE

BD03	J7	C371	I9	C720	C5	D160	E3	Q354	J6	R512	L4	R5B4	N10
C162	D5	C372	I9	C721	C5	D161	E3	Q501	O5	R514	O5	R5B5	O2
C163	E5	C380	H3	C722	C4	D162	F3	Q503	M4	R515	O7	R5C5	L10
C164	E4	C383	M5	C723	C4	D163	D4	Q504	P11	R516	O5	R5C6	P9
C165	E4	C391	J9	C726	B4	D164	E5	Q505	P11	R517	O6	R5C7	M10
C166	E2	C351	I5	C727	B4	D165	E3	Q507	L6	R518	O6	R5C9	M9
C167	F2	C352	I5	C729	B5	D501	M10	Q514	N4	R519	M8	R5E7	O2
C168	E2	C500	N11	C731	E11	D502	N5	Q515	N10	R520	M6	R5E8	O2
C169	D4	C501	M8	C732	B5	D509	P4	Q516	M4	R521	O4	R701	A9
C170	F3	C502	M9	C7A1	J4	D803	B11	Q517	O5	R522	L3	R704	C9
C171	B2	C503	M5	C7A2	L4	DJ01	M12	Q701	A6	R523	N3	R705	B8
C172	B1	C504	N5	C7A3	K5	DJ03	N12	Q801	I11	R525	M8	R706	B8
C301	G8	C505	N2	C7A4	M4	ES501	J1	Q802	C10	R526	L9	R707	B3
C302	G7	C506	N2	C7A6	J3	ES502	L12	Q803	C11	R527	L8	R708	C5
C303	G7	C507	M8	C7A8	J4	FL301	G4	R161	E4	R528	N3	R709	C5
C304	G8	C508	M4	C7M4	B9	IC160	D4	R168	C2	R529	N4	R710	C4
C305	G7	C509	N5	C7M6	C9	IC161	E3	R169	B2	R530	N4	R711	C4
C306	H7	C510	M5	C801	F9	IC162	E4	R171	C4	R531	M9	R712	B5
C307	H7	C511	O6	C802	D9	IC164	C5	R172	F4	R532	O6	R713	B5
C310	F6	C512	O5	C803	D9	IC503	N11	R173	F3	R533	O5	R715	C3
C311	H6	C513	O6	C804	E8	IC504	M9	R174	E2	R534	O7	R716	E9
C313	H4	C514	L10	C805	E8	IC505	P9	R175	E2	R535	L4	R717	A4
C314	H4	C515	L9	C806	E8	J301	H4	R176	D2	R536	M11	R718	A4
C315	H3	C518	O5	C808	E7	JK801	A11	R177	E2	R537	O10	R7A1	K4
C317	H7	C519	O6	C809	E7	L301	H3	R178	D4	R539	P9	R7A2	L5
C318	H6	C520	O10	C811	F7	L303	I5	R179	D3	R540	N12	R7A3	K5
C319	H7	C522	O3	C812	F7	L304	J7	R180	D3	R541	P4	R7A4	K5
C320	H3	C524	M8	C813	F7	L306	J9	R181	E2	R542	P10	R7A5	K3
C321	I5	C525	I3	C814	F7	L311	I9	R182	F2	R543	N2	R7A6	L4
C322	H7	C526	H2	C815	F7	L312	J9	R183	N4	R544	P12	R801	E8
C323	I5	C527	L7	C816	F7	L501	N2	R301	G7	R545	P10	R802	F7
C324	I6	C533	L8	C817	F7	L505	N4	R302	G8	R546	L2	R803	F7
C325	I6	C534	N9	C818	F8	L506	O5	R303	G7	R547	P4	R804	F7
C326	H7	C535	N9	C819	G8	L702	F4	R304	G7	R548	P10	R805	F8
C327	I6	C541	O6	C820	F8	L704	B3	R305	H6	R549	P11	R806	F8
C328	I6	C542	O8	C821	G8	L705	A3	R308	G4	R550	L7	R807	F9
C330	I7	C543	O4	C822	G10	L706	E10	R309	H4	R551	L7	R808	F9
C331	I2	C544	L8	C823	F8	L707	B6	R310	I3	R552	O10	R809	F9
C332	G10	C545	J3	C824	F8	L801	F9	R311	I3	R553	N4	R810	F9
C333	I7	C546	L8	C825	F9	L871	B11	R312	H3	R555	N9	R811	F10
C334	I7	C551	L2	C826	F8	L872	B10	R313	I4	R556	M4	R812	F10
C335	J7	C552	P10	C827	H10	L873	B10	R314	H6	R557	J1	R821	D12
C336	J8	C556	O2	C828	C10	L874	B10	R315	G6	R558	N10	R822	D12
C337	I8	C557	O2	C829	C10	L875	H10	R316	G5	R559	N10	R823	E12
C338	J8	C561	M4	C831	B11	LD501	L7	R317	H5	R560	N4	R824	E12
C339	J8	C564	M7	C834	D10	M5501	M3	R320	E6	R561	M8	R825	F7
C340	J8	C567	M4	C835	F6	P1D01	D5	R321	F6	R562	L8	R826	F7
C341	J8	C570	P7	C836	E6	P3D01	H8	R322	H6	R563	M4	R831	C10
C342	I8	C571	P8	C850	D10	P3D02	H6	R324	I5	R564	N10	R832	C11
C344	J9	C574	L4	C852	D11	P3D03	I12	R325	H6	R565	L8	R850	D11
C345	J10	C575	M4	C854	D10	PM601	P3	R326	I5	R566	N3	R851	D11
C346	I9	C581	N9	C855	E10	PM602	P3	R327	I5	R567	O6	R852	B11
C347	I9	C582	N9	C856	D12	PM603	E6	R328	J8	R568	M7	R853	B12
C348	I9	C588	M5	C857	D11	PM701	B9	R332	J9	R569	M4	R854	C10
C349	I9	C591	I2	C859	C12	PM702	E9	R333	I9	R571	N10	R855	C10
C350	I10	C596	L7	C860	D12	PMC01	J3	R334	I10	R572	N10	R856	B8
C351	I10	C597	O7	C861	C12	PMD01	L12	R336	I9	R575	N3	R857	B8
C352	I10	C598	O7	C863	C12	PMD02	G12	R338	J8	R576	N3	R861	C10
C353	I9	C599	O4	C864	E11	PMS01	D2	R340	H4	R577	N3	R862	C10
C354	G4	C703	A9	C869	C10	Q163	B2	R341	H4	R578	N2	R869	E12
C357	I9	C704	B6	C870	E7	Q166	E2	R342	I3	R579	M4	R870	E11
C358	I9	C706	B8	C871	E7	Q167	E2	R346	G7	R580	K3	R871	H11
C359	G6	C707	B9	C872	B11	Q168	D4	R353	J8	R581	P9	R878	G3
C360	H9	C708	D7	C873	B11	Q169	E2	R351	I5	R582	M8	R879	G3
C361	H9	C709	D9	C874	B10	Q301	H4	R501	M11	R583	M8	R5501	N5
C362	H9	C710	D6	C875	B10	Q302	I3	R502	M11	R584	N5	R5502	N9
C363	G8	C712	B5	C876	B10	Q303	I3	R503	N12	R585	N5	X301	I9
C364	I10	C713	B5	C877	B10	Q304	H4	R504	N12	R586	L6	X501	O7
C365	H9	C714	A5	C878	B10	Q305	G6	R505	N4	R587	L7	X502	P7
C366	G8	C715	A5	C879	B10	Q306	G7	R507	M11	R588	N4	X751	A5
C367	G8	C716	A5	C881	B11	Q307	I4	R508	N11	R589	O6	ZD161	E2
C368	G9	C717	B3	C884	E11	Q309	J8	R509	M11	R590	K6	ZD503	M2
C369	G9	C718	B3	C885	E10	Q3S2	J7	R510	M10	R5B1	P9	ZD801	G9
C370	G7	C719	B4	C5501	O11	Q3S3	J7	R511	O8	R5B3	L9	ZD802	G9

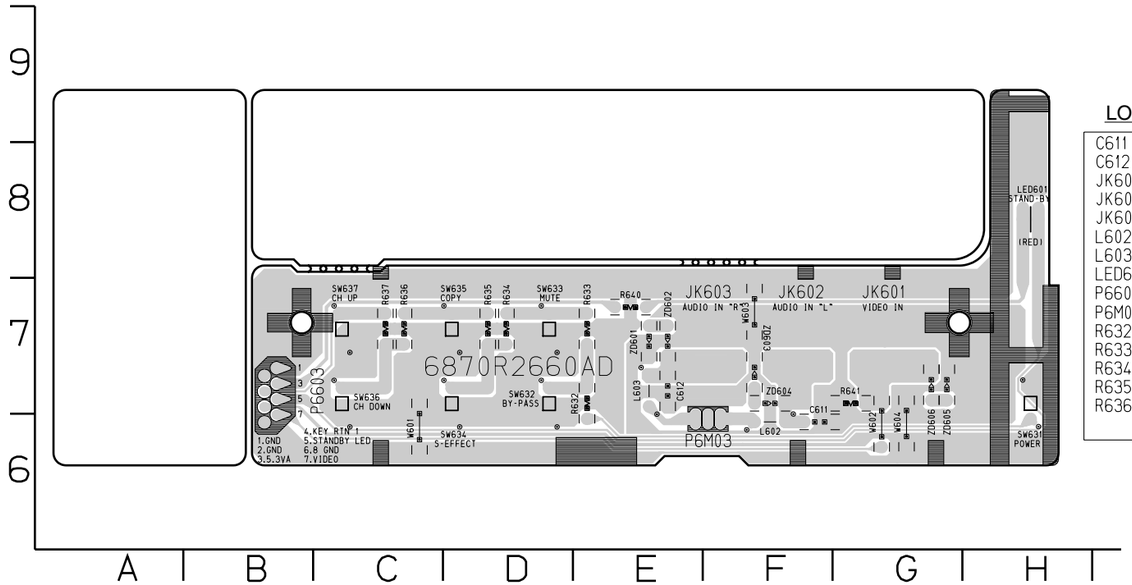
2. KEY(RIGHT) P.C.BOARD



LOCATION GUIDE

C601	M2	R609	H1
C602	A2	R612	D2
C603	A2	R613	D2
C604	M2	R614	D2
C606	H1	R615	E2
C609	C2	R616	E2
C610	C2	R617	F2
C615	J2	R618	G2
DG601	K2	R619	H2
L601	A2	R630	L2
LED602	L3	R631	A2
LED603	A3	R642	C2
P6602	N2	R643	C2
P6M01	C1	RC601	N2
P6M02	C1	SW601	A3
R601	E2	SW602	C2
R602	E2	SW603	D2
R603	D2	SW604	E2
R604	J1	SW605	E2
R605	M2	SW606	F2
R606	M1	SW607	G2
R607	M1	SW608	H2
R608	H1	SW609	L3
		VR601	B2

3. KEY(LEFT) P.C.BOARD



LOCATION GUIDE

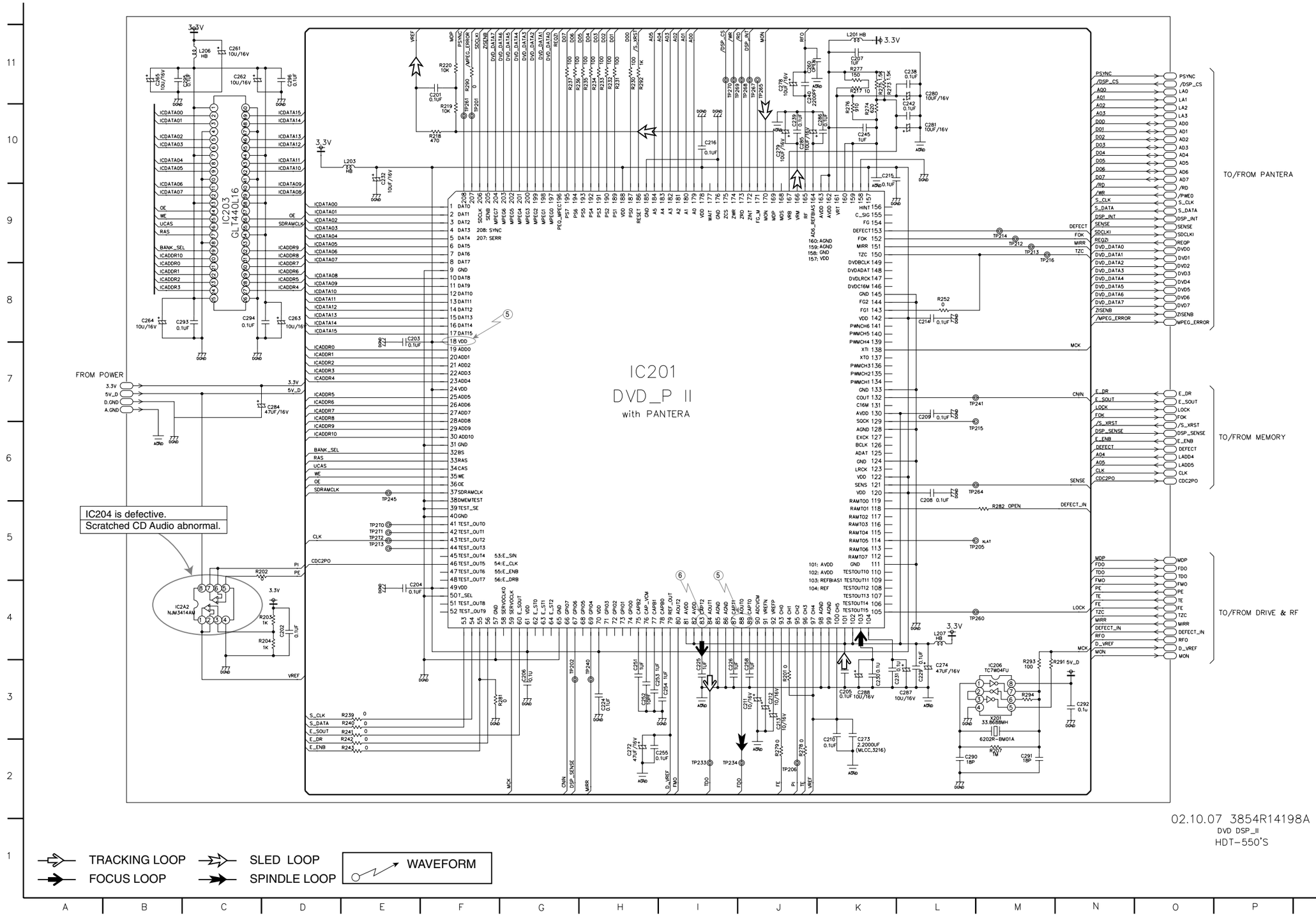
C611	F6	R637	C7
C612	E7	R640	E7
JK601	G7	R641	G7
JK602	F7	SW631	H7
JK603	F7	SW632	D7
L602	F6	SW633	D7
L603	E7	SW634	D7
LED601	H8	SW635	D7
P6603	B7	SW636	C7
P6M03	E6	SW637	C7
R632	E7	ZD601	E7
R633	E7	ZD602	E7
R634	D7	ZD603	F7
R635	D7	ZD604	F7
R636	C7	ZD605	G7
		ZD606	G7

MEMO

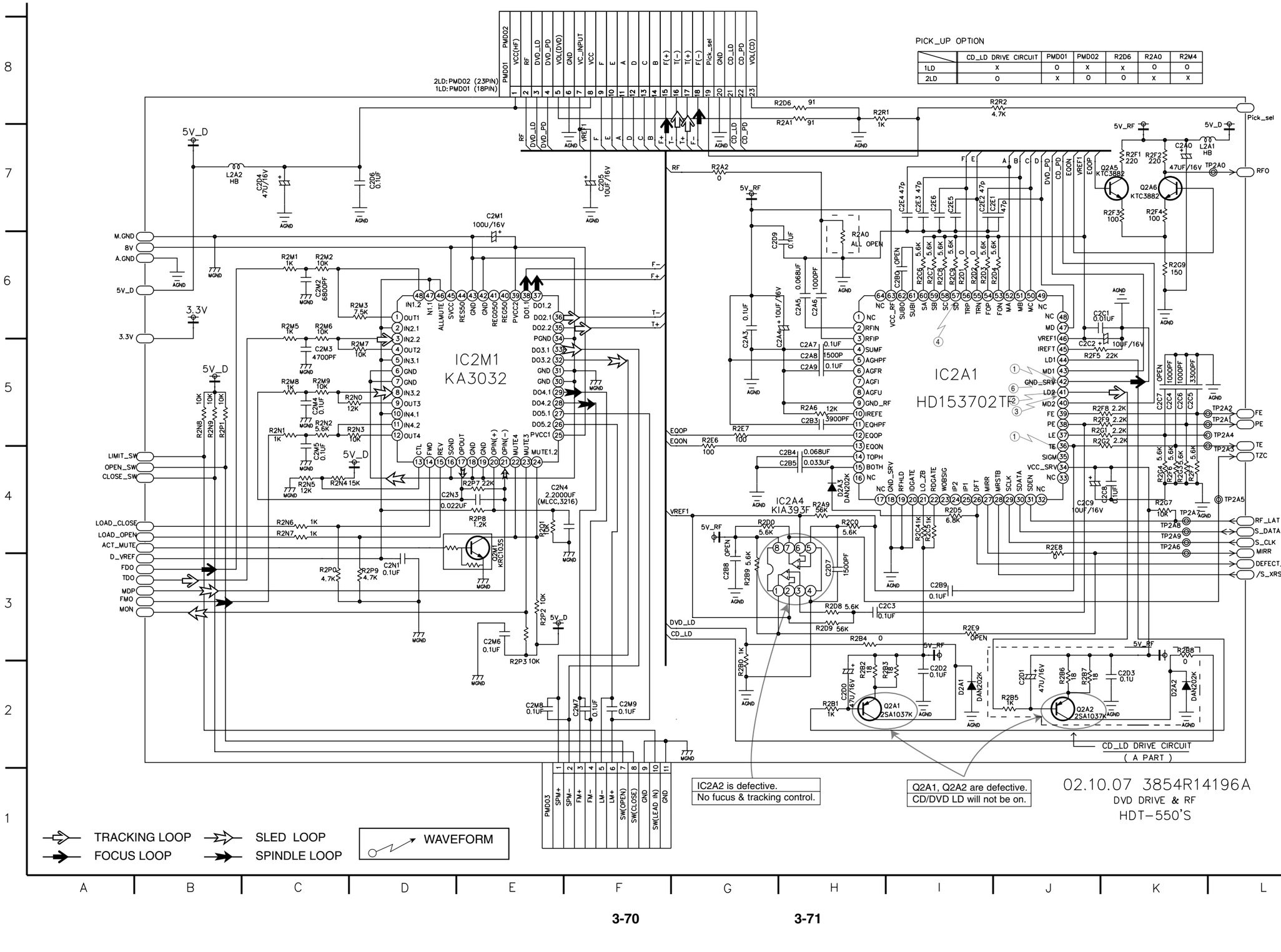
MEMO

CIRCUIT DIAGRAMS

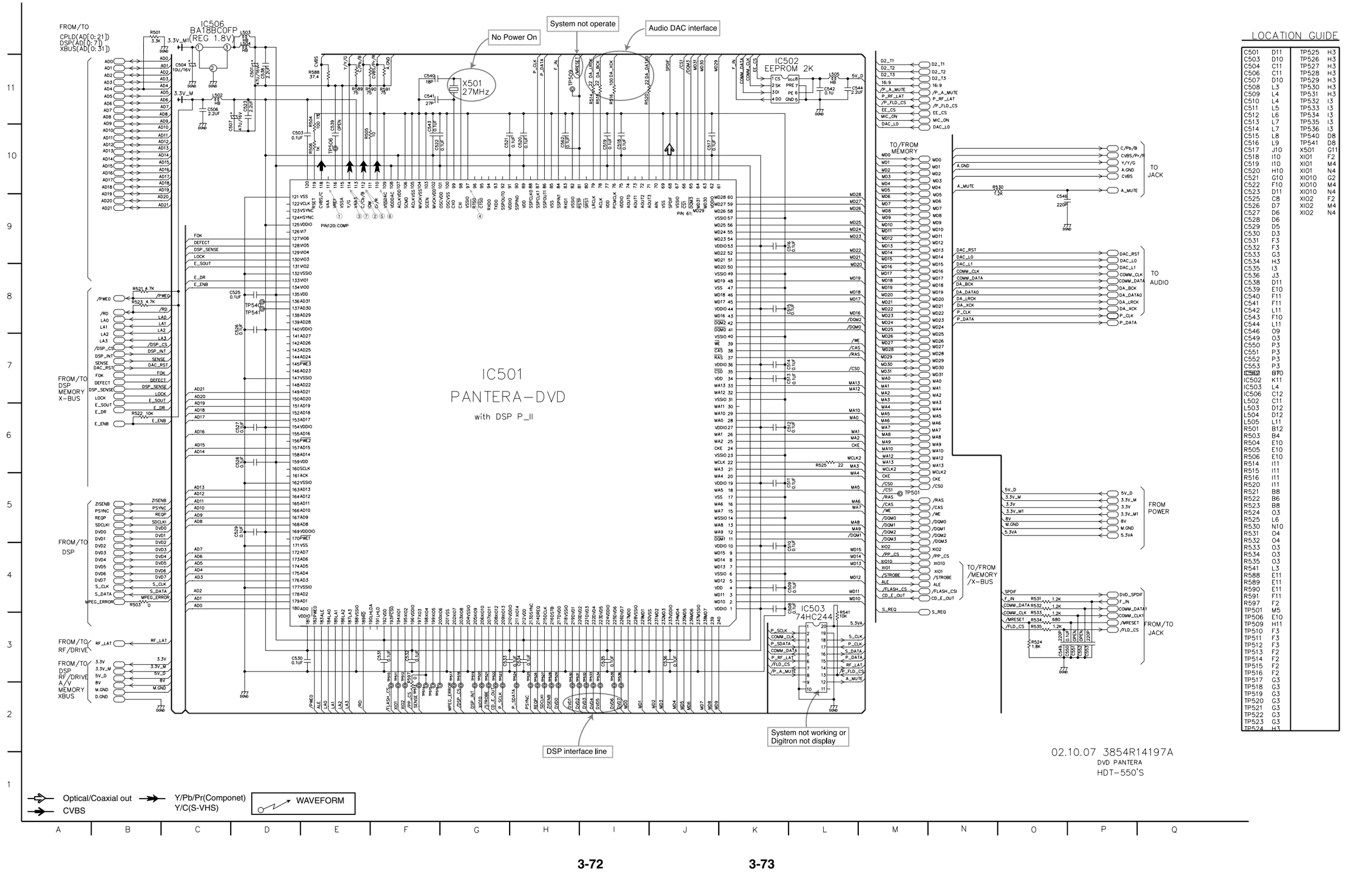
1. DVD DSP CIRCUIT DIAGRAM



2. DRIVE & RF CIRCUIT DIAGRAM


PICK_UP OPTION
CD_LD DRIVE CIRCUIT | PMD01 | PMD02 | R2D6 | R2A0 | R2M4
1LD | X | O | X | X | O | O
2LD | O | X | O | O | X | X
2LD: PMD02 (23PIN)
1LD: PMD01 (18PIN)
IC2M1 KA3032
IC2A1 HD153702TF
IC2A4 KIA3933F
IC2A1 is defective.
No fucus & tracking control.
Q2A1, Q2A2 are defective.
CD/DVD LD will not be on.
CD_LD DRIVE CIRCUIT (A PART)
02.10.07 3854R14196A
DVD DRIVE & RF
HDT-550'S
TRACKING LOOP
FOCUS LOOP
SLED LOOP
SPINDLE LOOP
WAVEFORM

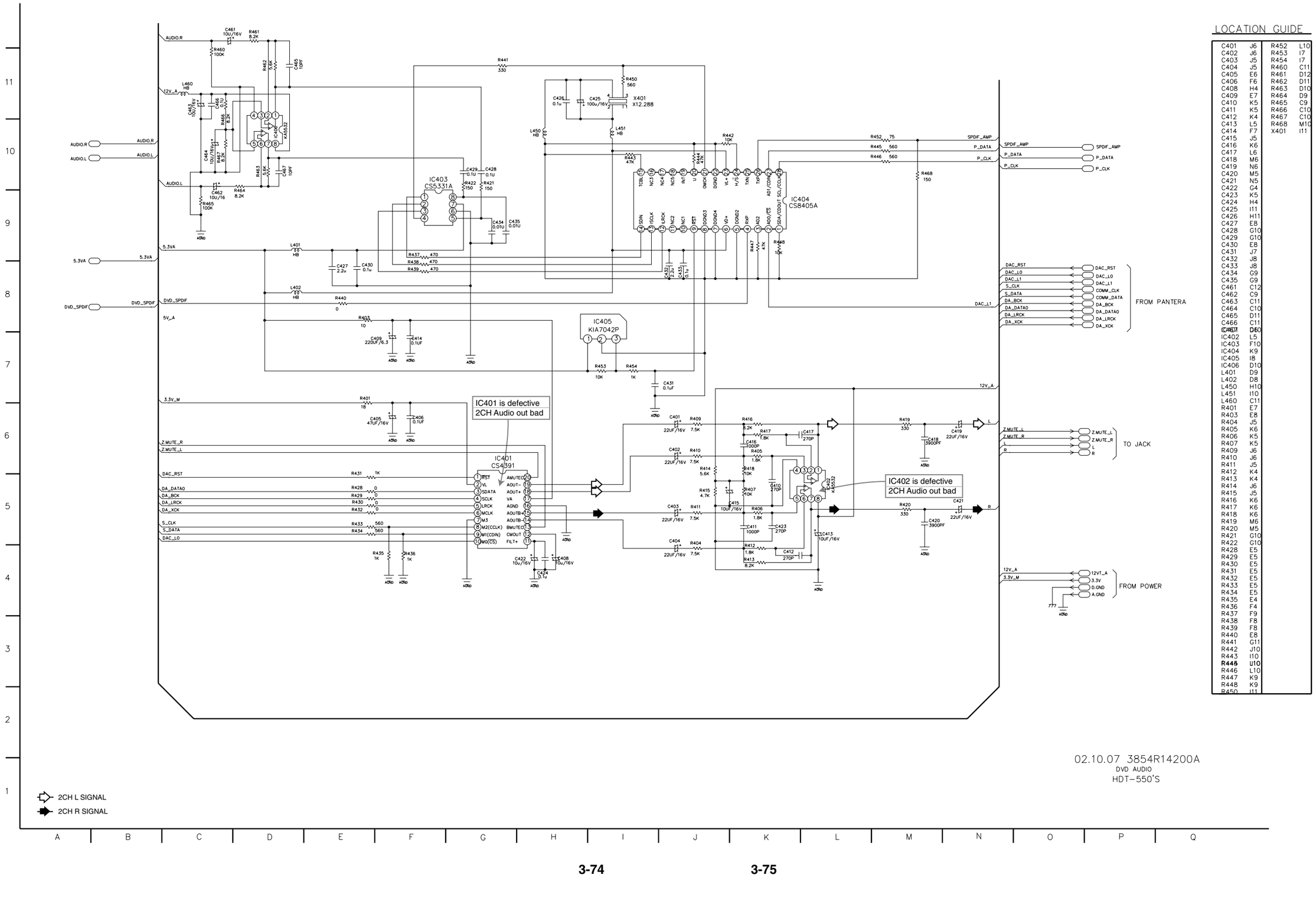
3. MPEG CIRCUIT DIAGRAM



LOCATION GUIDE

C501	D11	TP525	H3
C503	D10	TP526	H3
C504	C11	TP527	H3
C506	C11	TP528	H3
C507	D10	TP529	H3
C508	L3	TP530	H3
C509	L4	TP531	H3
C510	L4	TP532	I3
C511	L5	TP533	I3
C512	L6	TP534	I3
C513	L7	TP535	I3
C514	L7	TP536	I3
C515	L8	TP540	D8
C516	L9	TP541	D8
C517	J10	X501	G11
C518	I10	XI01	F2
C519	I10	XI01	M4
C520	H10	XI01	N4
C521	G10	XI010	G2
C522	F10	XI010	M4
C523	D11	XI010	N4
C525	C8	XI02	F2
C526	D7	XI02	M4
C527	D6	XI02	N4
C528	D6		
C529	D5		
C530	D3		
C531	F3		
C532	F3		
C533	G3		
C534	H3		
C535	I3		
C536	J3		
C538	D11		
C539	E10		
C540	F11		
C541	F11		
C542	L11		
C543	F10		
C544	L11		
C546	09		
C549	03		
C550	P3		
C551	P3		
C552	P3		
C553	P3		
C5512	B10		
IC502	K11		
IC503	L4		
IC506	C12		
L502	C11		
L503	D12		
L504	D12		
L505	L11		
R501	B12		
R503	B4		
R504	E10		
R505	E10		
R506	E10		
R514	I11		
R515	I11		
R516	I11		
R520	I11		
R521	B8		
R522	B6		
R523	B8		
R524	O3		
R525	L6		
R530	N10		
R531	O4		
R532	O4		
R533	O3		
R534	O3		
R535	O3		
R541	L3		
R588	E11		
R589	E11		
R590	E11		
R591	F11		
R597	F2		
TP501	M5		
TP506	E10		
TP509	H11		
TP510	F3		
TP511	F3		
TP512	F3		
TP513	F2		
TP514	F2		
TP515	F2		
TP516	F2		
TP517	G3		
TP518	G3		
TP519	G3		
TP520	G3		
TP521	G3		
TP522	G3		
TP523	G3		
TP524	H3		

4. AUDIO DM CIRCUIT DIAGRAM

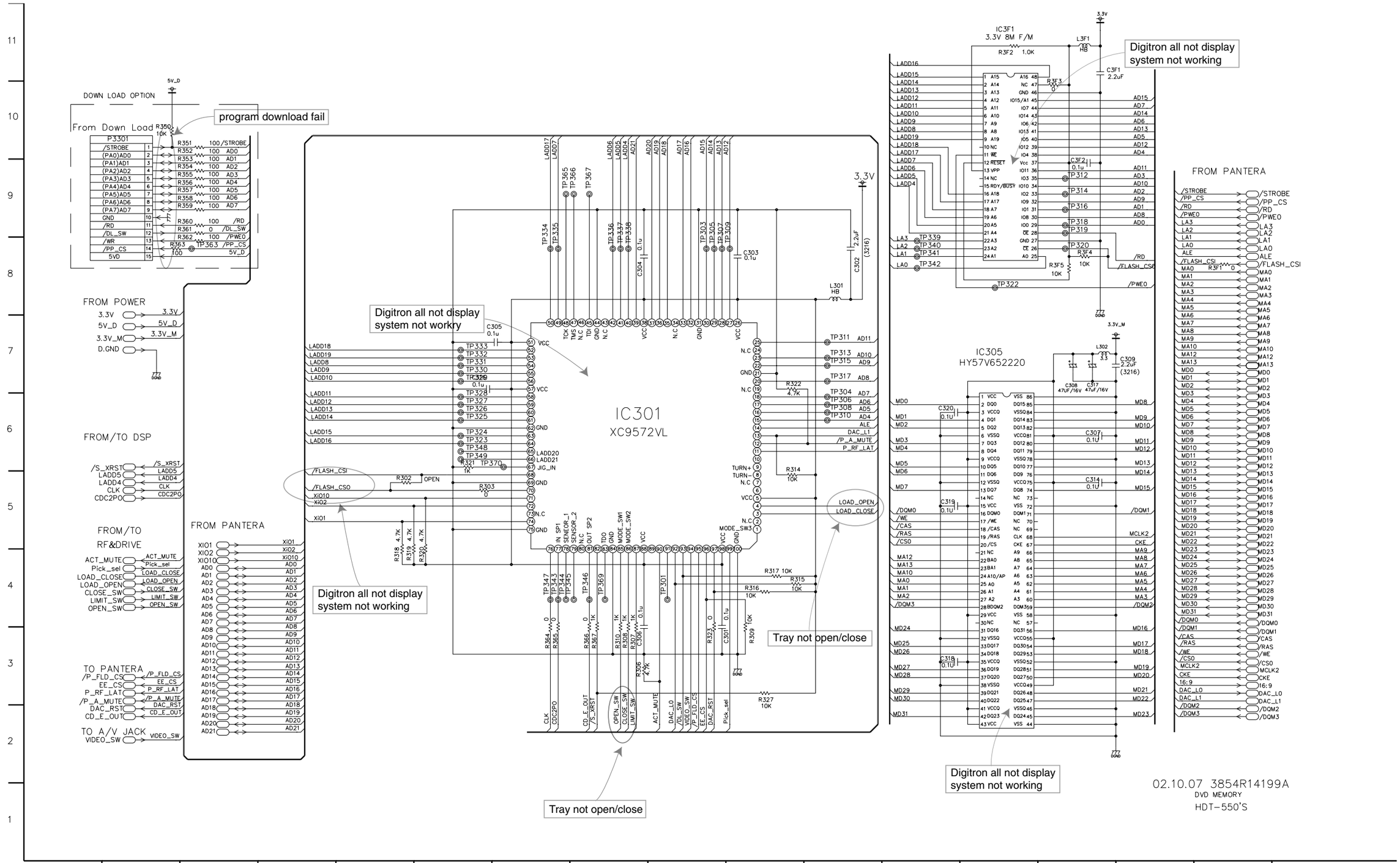


LOCATION GUIDE

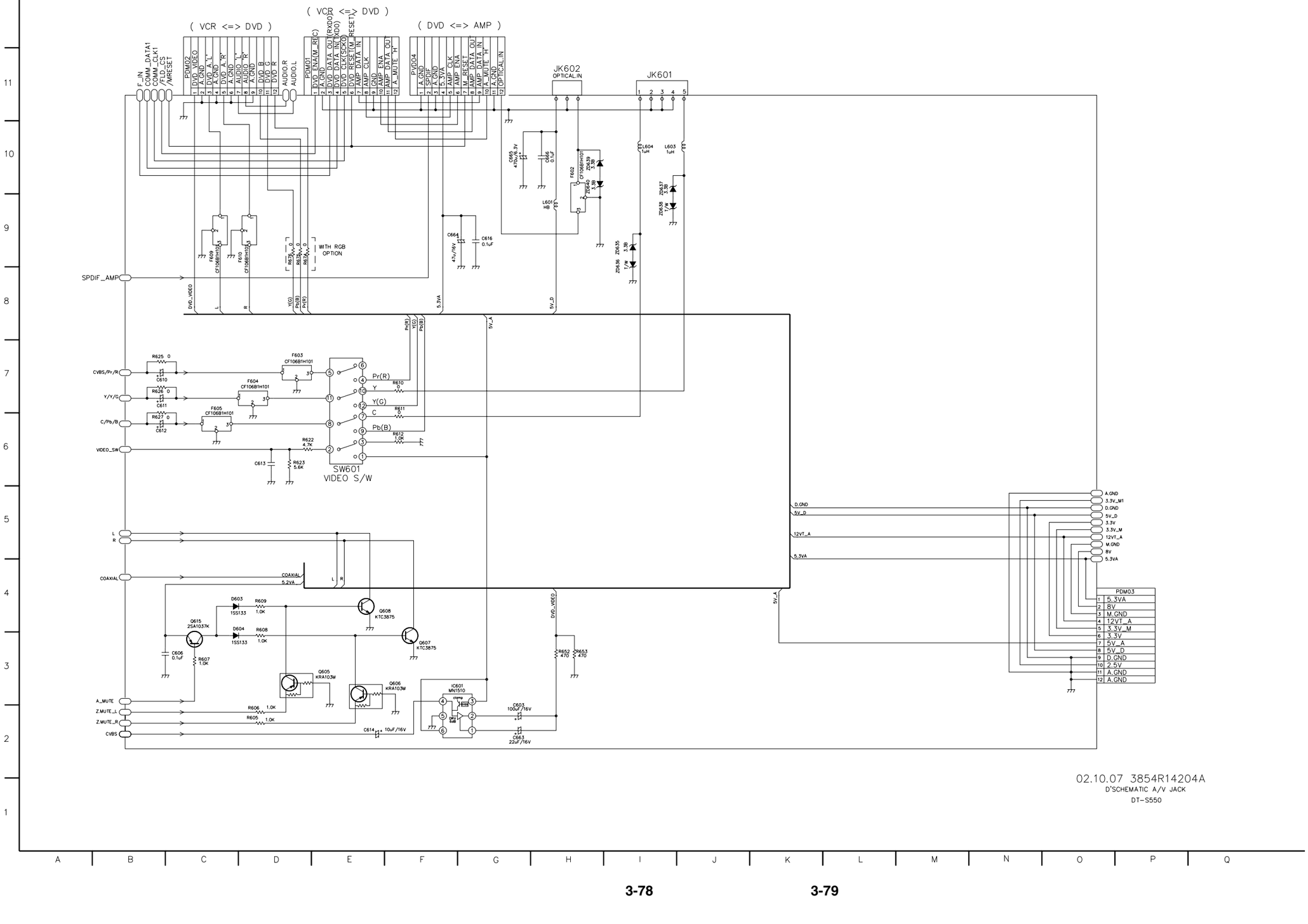
C401	J6	R452	L10
C402	J6	R453	I7
C403	J5	R454	I7
C404	J5	R460	C11
C405	E6	R461	D12
C406	F6	R462	D11
C408	H4	R463	D10
C409	E7	R464	D9
C410	K5	R465	C9
C411	K5	R466	C10
C412	K4	R467	C10
C413	L5	R468	M10
C414	F7	X401	I11
C415	J5		
C416	K6		
C417	L6		
C418	M6		
C419	N6		
C420	M5		
C421	N5		
C422	G4		
C423	K5		
C424	H4		
C425	I11		
C426	H11		
C427	E8		
C428	G10		
C429	G10		
C430	E8		
C431	J7		
C432	J8		
C433	J8		
C434	G9		
C435	G9		
C461	C12		
C462	C9		
C463	C11		
C464	C10		
C465	D11		
C466	C11		
C467	D10		
IC401	L5		
IC402	L5		
IC403	F10		
IC404	K9		
IC405	I8		
IC406	D10		
L401	D9		
L402	D8		
L450	H10		
L451	I10		
L460	C11		
R401	E7		
R403	E8		
R404	J5		
R405	K6		
R406	K5		
R407	K5		
R409	J6		
R410	J6		
R411	J5		
R412	K4		
R413	K4		
R414	J6		
R415	J5		
R416	K6		
R417	K6		
R418	K6		
R419	M6		
R420	M5		
R421	G10		
R422	G10		
R428	E5		
R429	E5		
R430	E5		
R431	E5		
R432	E5		
R433	E5		
R434	E5		
R435	E4		
R436	F4		
R437	F9		
R438	F8		
R439	F8		
R440	E8		
R441	G11		
R442	J10		
R443	I10		
R445	I10		
R446	L10		
R447	K9		
R448	K9		
R450	I11		

02.10.07 3854R14200A
DVD AUDIO
HDT-550'S

5. MEMORY CIRCUIT DIAGRAM



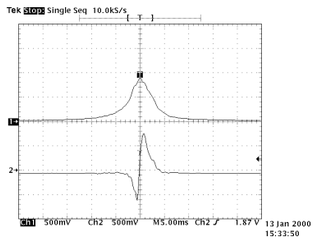
6. JACK CIRCUIT DIAGRAM



• WAVEFORMS

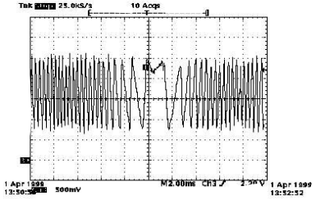
(RF/SERVO)

①



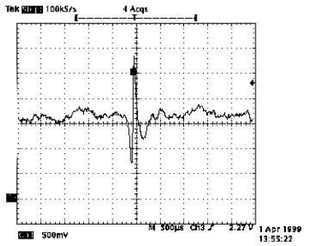
IC2A1 Pin 42, Focus Error
IC2A1 Pin 36, Pi

②



IC2A1 Pin 41
Tracking Error

③



IC2A1 Pin 41
VBR TRACKING Error

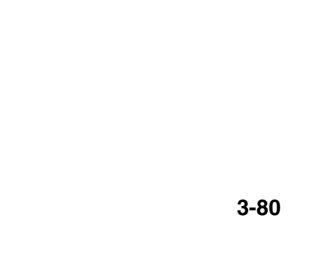
④

IC2A1 Pin57,
RF

⑤

IC201 Pin 88, SLED Drive(FMO)
IC201 Pin 18, SLED FG

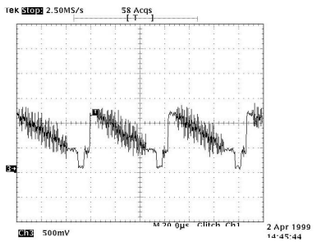
⑥



IC2A1 Pin42, Focus Error(in Focus Search)
IC201 Pin 83, Focus Drive(FDO)

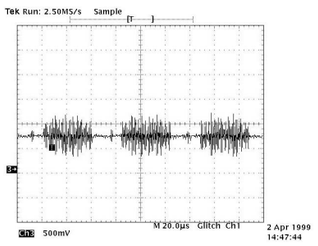
(VIDEO ENCODER)

①



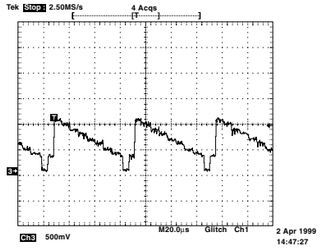
IC501 Pin 118, Composite

②



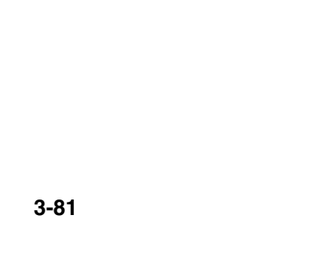
IC501 Pin 112, Chrominance
(Super video out Mode)

③



IC501 Pin 114, Luminance
(Super video out Mode)

④



IC501 Pin 98,
MPEG Clock(27MHz)

⑤

IC501 Pin 112
Component Pb

⑥

IC501 Pin 110
Component Pr

⑦

IC501 Pin 114
Component Y

• CIRCUIT VOLTAGE CHART

	IC203		IC201		IC301		IC3F1		IC501		IC305		IC2A1		IC2M1	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
1	3.18	3.16	3.12	0	3.17	3.16	0	0	3.12	3.1	3.06	3.05	0	0	2.11	2.14
2	3.12	2.69	3.12	0	0	0	0	0	0	0.41	0.29	0.35	3.16	3.13	2.1	2.12
3	3.12	2.69	3.12	0	3.16	0	0	0	0	0.47	3.06	3.05	3.16	3.13	2.11	2.11
4	0	0	3.12	0	3.16	0	0	0	1.75	1.73	3.06	0.33	0.75	1.55	2.1	2.15
5	3.12	2.74	3.12	3.12	3.17	3.16	0	0	0	0.49	0	0	2.04	3.02	2.1	2.12
6	3.12	2.71	3.12	3.12	3.17	3.16	0	0	0	0	0	0	0	0	0	0
7	3.18	3.17	3.12	0	0	0	0	0	0	0.37	0	0.34	0	0	0	0
8	3.12	2.68	3.12	3.12	3.17	3.16	0	0	0	0.35	0.4	0	0	0.33	2.11	2.12
9	3.12	2.63	0	0	0	0	3.13	2.92	0	0.33	0	3.05	0	0	2.02	1.99
10	0	0	3.12	3.12	0	0	0	0	3.22	3.19	0.33	0	0.44	0	2.1	2.12
11	3.12	2.7	3.12	3.12	0	0	3.13	3.12	0	0	0.41	0	1.72	1.19	2.11	2.12
12	3.12	2.7	3.12	0	0	0	3.2	3.2	0	0	0	0	2.06	2.3	2.09	2.13
13	3.18	3.17	3.12	3.12	3.17	3.16	3.2	3.2	0	0	0	0.46	2.25	3.08	3.25	2.23
14	0	0	3.12	0	0	0	0	0	0	0	0	0	1.32	3.13	2.51	0
15	3.12	3.04	3.12	0	0	0	0	0	0	0.79	3.06	3.05	1.46	2.27	2.51	0
16	3.12	0	3.12	0	2.17	2.18	3.19	0	0	0.74	0	0	0	2.4	0	0
17	3.12	3.02	3.12	0	0.38	2.21	0	0	0	0	3.09	3.07	0	0	2.18	0
18	0	0	3.13	3.12	0.41	0.61	0	0	0	0.71	0	2.82	0	0	0	0
19	0	0	3.13	0	0	0	0	0	3.22	3.1	2.84	3.03	0	0	0	0
20	0	3.12	0	0	0	0	0	0	3.22	3.13	3.05	2.76	0	0	1.52	1.89
21	3.13	0	3.13	0	0	0	0	0	3.22	3.13	0	0	3.01	5.01	1.88	1.89
22	3.13	3.17	0	0	0	0	0	0	1.64	0	0	1.38	3.85	5.01	0	0
23	3.13	0	0	0	0	0	0	0	0	0	0.8	0.79	0	0	3.13	0
24	0	0	3.13	0	0	0	0	0	3.22	3.13	0	0	0	0	0	0
25	3.18	0	3.12	0	0	0	3.11	3.11	0	3.13	1.14	1.1	0	0	7.95	7.92
26	0	0	0	0	3.21	3.16	3.17	3.2	0	3.13	0.38	1.54	3.31	3.63	3.92	3.71
27	0	0	0	3.12	0	0	0	0	3.22	3.11	0	0	0	0	3.92	3.71
28	3.12	0	0	0	0	0	3.11	0	0	1.1	0	0	3.14	3.16	3.9	3.74
29	0	3.12	0	0	0	0	0.61	1.07	0	0	0	0.05	5.15	5.14	3.95	3.68
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	3.17	0	3.12	0	0	0.6	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	3.22	1.39	0	0	0	0	1.18	4.2
33	3.1	0	3.12	0	0	0	0.59	0	3.22	0.8	0	0	0	0	1.18	3.43
34	3.18	0	3.12	0	0	0	0	0	1.75	1.52	0.34	0	5.03	4.99	0	0
35	1.5	0	3.12	0	0	0	0.61	0	3.22	2.76	3.03	3.05	2.29	2.34	3.92	3.75
36	0	3.12	0	0	0	0	0	0	3.22	3.11	0	0.34	2.2	2.3	3.93	3.73
37	0	0	1.51	0	0	0	3.18	0	3.22	3.03	0	0	2.2	2.2	3.92	3.73
38	3.18	0	0	0	3.17	3.16	0	0	3.22	2.83	0	0	2.29	2.26	3.92	3.68
39	3.12	3.12	0	0	0	0	0	0	3.22	3.08	0.56	0	2.24	2.24	7.95	7.94
40	3.12	3.12	0	0	0	0	2.17	0	0	0	0.56	0	0	0	7.91	7.87
41	0	3.17	0	0	0	0	0	0	0	0	0	3.05	5.03	5.01	0	0
42	3.12	0	0	0	0	0	0.38	2.28	0	0	3.03	0.45	0	0	0	0
43	3.12	0	0	0	0	0	0	0	0	0.34	3.03	3.05	0	0	0	0
44	3.18	0	0	0	0	0	0.41	0.65	3.22	3.11	0	0	5.03	1.59	0	0
45	3.12	3.12	0	0	3.17	3.15	0	0	0.45	0.33	0	0.44	2.3	2.3	7.95	7.94
46	2.76	3.12	1.56	0	0	0	0	0	0	0	0	0	2.3	2.3	2.11	2.12
47	0	0	0.91	0	3.17	3.15	0	0	0	0	0.38	0	1.74	2.3	2.1	2.12
48	3.12		1.65	0	2.19	0	0	0	0	0	0	0	0	0	2.11	2.12
49	3.12		3.14	0.53	0	0			0	0	3.03	0	0	0		
50	0		0	0	0	0			0.43	0.39	0.36	3.05	2.3	2.3		
51			0.64	0	3.17	0			0.42	0.45	0	0.34	2.3	2.3		
52			0.43	0	3.17	3.19			0.43	0.35	0	0	2.3	2.3		
53			0	0	3.11	2.91			3.12	3.11	0	0	2.3	2.3		
54			2.58	0	0	0			0	0	0.41	0	2.3	2.3		
55			0	0	0	0			0	0.33	3.03	3.05	2.3	2.3		
56			3.11	0	0	0			0.39	0.36	0	0.34	2.3	2.3		
57			0	0	3.17	3.19			0	0	0	0	2.3	2.3		
58			1.65	0	0	0			0	0	0	0	2.3	2.3		
59			1.79	0	0	0			0	0.42	0	0	2.29	2.3		
60			0	0	0	0			0.44	0.4	0	0.79	2.29	2.3		
61			3.13	0	0	0			0.44	0.47	0	0.79	0.36	0.56		
62			0	0	0	0			3.12	3.11	0	2.26	0.37	0.62		
63			3.13	0	0	0			0.45	0.35	0	0.74	5.03	5.02		
64			0	0	0	0			0	0	0	0.78	0	0		
65			0	0	0	0			0	0	0	0				
66			3.12	0	0	0			0	0	0	0				
67			0	0	0	0			0	0.31	3.11	3.1				
68			3.13	3.12	3.11	3.1			1.51	0	1.6	1.59				
69			4.08	0	0	0			0	1.5	0	0				
70			3.13	0	0	3.16			1.47	0	0	0				
71			0	0	3.11	3.1			0	0	0	0				
72			3.13	3.13	0	0			0	0	0	0				
73			0	0	0	0			0	0	0	0				
74			0	0	3.11	3.1			0	0	0	0.45				
75			0.78	0	0	0			3.12	3.11	3.04	3.05				
76			1.41	0	0	0			1.48	1.26	0	0				
77			0.77	0	0	0			1.74	1.74	0	0				
78			0.77	0	0	0			1.54	1.54	0	0				
79			2.1	2.11	3.17	0			1.56	1.55	0	0				
80			2.12	2.11	0	0			3.11	3.1	0	0.34				
81			3.18	0	3.17	0			3.01	3.01	1.69	0				

	IC203		IC201		IC301		IC3F1		IC501		IC305		IC2A1		IC2M1	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
82			3.18	0	3.17	3.19			0	0	0	0				
83			1.93	1.93	2.12	2.27			0	0.33	0	0				
84			2.11	2.11	0	0			1.74	5.12	0	0				
85			0	0	4.41	4.41			0	0	0	0.33				
86			0	0	0	0			0	0	0	0				
87			1.93	0	0	0			1.42	3.11						
88			2.1	0	3.17	3.19			1.87	3.11						
89			1.93	1.92	2.66	0			1.67	1.74						
90			1.59	0	0	3.17			0	0						
91			0.8	0	3.19	0			3.11	3.11						
92			2.36	2.36	3.19	3.19			0	3.11						
93			2.24	1.6	3.19	3.19			3.11	3.11						
94			1.58	1.56	0	0			0	0.34						
95			1.64	1.62	3.13	3.13			0	0.34						
96			1.58	1.62	0	0			2.82	3.11						
97			1.58	1.56	3.19	3.19			0	0						
98			0	0	3.19	3.19			0.85	0.92						
99			0	0	0.36	0.36			0.89	0.93						
100			1.58	0	0	0			0	0						
101			3.18	0					1.79	1.74						
102			3.18	0					3.23	3.1						
103			2.01	2.01					0	0						
104			2.01	2.01					0	0						
105			0	0					0	0						
106			3.12	0					0	0						
107			2.07	3.12					3.23	3.09						
108			0.41	0					1.74	1.74						
109			0	0					0	0						
110			2.15	0					1.75	1.3						
111			0	0					0.34	0.74						
112			0	0					0	1.39						
113			0	0					3.2	3.1						
114			0	0					0.49	0.64						
115			0	0					0	0						
116			0	0					1.17	1.29						
117			0	0					1.79	1.74						
118			0	0					0	0.74						
119			0	0					1.17	1.28						
120			3.12	0					2.04	1.82						
121			0	0					0	0						
122			3.12	3.12					0	0						
123			3.12	3.12					0	0.36						
124			0	0					0	0.36						
125			3.12	3.12					3.16	3.1						
126			3.12	0					0	0.36						
127			2.42	0					0	0						
128			0	0					0	0						
129			2.41	0					0	0						
130			3.18	3.17					0	0						
131			3.12	3.12					0	0						
132			3.12	0					0	0						
133			0	0					3.13	0						
134			3.12	3.12					0	0						
135			3.12	3.12					1.74	1.74						
136			2.45	2.33					0	0						
137			1.68	1.65					0	0						
138			1.77	1.87					0	0						
139			2.45	2.33					0	0						
140			2.61	0.32					3.13	3.1						
141			2.54	0					0	0						
142			3.12	0					0	0						
143			0	0					0	0						
144			0	0					0	0						
145			0	0					3.13	3.09						
146			2.54	0					0	0						
147			2.54	0					0	0						
148			2.54	0					0	0						
149			2.54	0					0	0						
150			4.76	0					0	0						
151			4.13	0					0	0						
152			0	0					0	0						
153			0	0					0	0						
154			0	0					3.13	3.1						
155			3.12	0					0	0						
156			3.12	0					3.13	3.09						
157			3.12	0					0	0						
158			0	0					0	1.73						
159			0	0					1.74	1.73						
160			0	0					1.12	1.83						
161			2.64	2.62					3.13	0						
162			3.18	3.16					0	0						

	IC203		IC201		IC301		IC3F1		IC501		IC305		IC2A1		IC2M1	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
163			3.18	3.15					0	0						
164			2.02	0					0	0						
165			2.08	0					0	0						
166			2.09	0					0	0						
167			1.57	0					0	0						
168			2.51	0					0	0						
169			1.6	1.57					3.13	3.1						
170			3.13	3.01					3.13	0						
171			2.53	0					0	0						
172			0	0					0.44	0.6						
173			3.11	0					0.4	2.15						
174			3.11	0					2.2	2.15						
175			3.11	3.1					0	0						
176			0	0					0.66	0.8						
177			3.12	0					0	0						
178			3.12	2.59					0.65	0.83						
179			3.11	3.03					0.65	0.79						
180			0	0					0.67	0.79						
181			0	0					0	3.1						
182			0	0					3.13	3.1						
183			0	0					0	0						
184			0	0					3.13	3.1						
185			0	0					0	0						
186			3.17	0					0	0						
187			0.69	0					0	0						
188			3.18	3.12					0	0						
189			0.66	0.77					0	3.1						
190			0.65	0					0	0						
191			0.67	0.87					0	0						
192			0	0					0	1.75						
193			2.21	2.17					3.13	3.09						
194			0.41	0					3.13	3.16						
195			0.45	0					0	0						
196			0	0					3.13	3.1						
197			0	0					0	0						
198			0	0					3.13	0						
199			0	3.12					3.13	3.1						
200			0	0					0	3.1						
201			0	0					0	0						
202			0	1.22					3.18	0						
203			0	1.22					3.18	3.1						
204			0	0					0	0						
205			3.11	3.11					0	0						
206			1.53	3.11					0	3.1						
207			3.12	0					0	0						
208			3.12	3.12					0.37	0						
209									0	0						
210									3.13	3.1						
211									0	0						
212									0	0						
213									0	0						
214									0	0						
215									0	0						
216									0	0						
217									0	0						
218									0	0						
219									0	0						
220									0	3.12						
221									0	0						
222									0	0						
223									0	0						
224									0	0						
225									3.13	0						
226									0	0						
227									0	0.41						
228									0	0						
229									0	0						
230									0	0						
231									0	0						
232									0	0.43						
233									3.24	0						
234									0	0.45						
235									0	0.34						
236									0	0						
237									0	0						
238									0	0						
239									0	0						
240									0	0.36						
241																
242																
243																

	IC901		IC451		IC401		IC454		IC453		IC452		IC402		IC801	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
1	0	0	0	0	2.98	2.98	5.51	5.51	5.41	5.42	5.49	0	5.47	5.47	1.83	1.81
2	5.1	5.05	3.15	3.15	3.26	3.26	5.51	5.51	5.41	5.42	5.49	5.51	5.47	5.47	0	0
3	0	0	3.15	3.15	0	0	5.51	5.51	5.41	5.41	5.49	5.51	5.47	5.47	1.83	1.81
4	5.14	5.14	3.15	3.14	1.57	0	0	0	0	0	0	0	0	0	0	0
5	0.48	0	3.15	3.15	1.58	1.58	5.51	5.51	5.41	5.41	5.49	5.51	5.47	5.47	0	0
6	0.48	0	3.15	3.15	1.3	0	5.51	5.51	5.41	5.42	5.49	5.51	5.47	5.47	4.59	4.57
7	5.17	5.17	3.15	3.15	0	0	5.51	5.51	5.41	5.41	5.49	0	5.47	5.47	1.84	1.82
8	2.22	2.21	2.43	2.42	3.24	3.24	11.95	11.95	11.95	11.95	11.95	11.95	11.95	11.95	0	0
9	2.35	2.35	2.48	2.46	0	0									1.84	1.82
10	0	0	2.43	2.42	3.2	3.19										
11	2.26	2.24	2.48	0	4.85	4.84										
12	2.46	2.45	0	0	2.31	0										
13	0	0	0	0	2.35	0										
14	5.17	5.16	0	0	2.35	0										
15	5.17	5.16	2.43	2.43	0	0										
16	5.1	5.06	2.47	3.14	0	0										
17	0	0	2.45	0	4.91	0										
18	0	0	0	0	2.34	2.34										
19	5.16	5.16	4.91	4.88	2.34	2.33										
20	5.14	5.14	0	0	0	0										
21	5.01	5.02	0	0												
22	0	0	0	0												
23	0	0	4.91	0												
24	0	0	0	0												
25	2.68	2.68	4.9	4.88												
26	5.17	5.17	0	0												
27	5.17	5.17	0	0												
28	4.77	4.87	0	0												
29	5.07	5.06	0	0												
30	21.58	18	4.91	4.88												
31	23.58	18	0	0												
32	23.6	23	4.91	4.88												
33	27.54	21.21	0	0												
34	23.6	17.18	0.36	0												
35	23.6	22.91	0	0												
36	21.6	19.14	3.24	3.23												
37	21.61	25.01	3.19	3.19												
38	23.65	23.06	2.93	3.92												
39	23.65	23.09	0	0												
40	23.57	23.08	0	0												
41	25.6	23.07	1.3	1.31												
42	25.6	25.03	1.48	1.47												
43	25.6	25.03	1.57	0												
44	25.6	23.07	1.58	1.58												
45	27.6	25.07	0	0												
46	27.6	21.16	3.15	3.15												
47	27.5	25.11	0	0												
48	27.5	24.76	0	0												
49	27.5	27.86	0	0												
50	27.5	26.88	0	0												
51	6.73	6.69	3.15	3.14												
52	25.7	25.13	0	0												
53	25.6	25.08														
54	25.6	25.16														
55	25.6	25.15														
56	25.6	25.08														
57	25.6	25.13														
58	27.7	27.08														
59	5.16	5.15														
60	5.16	5.16														
61	5.16	5.16														
62	5.16	5.16														
63	0	0														
64	0	0														

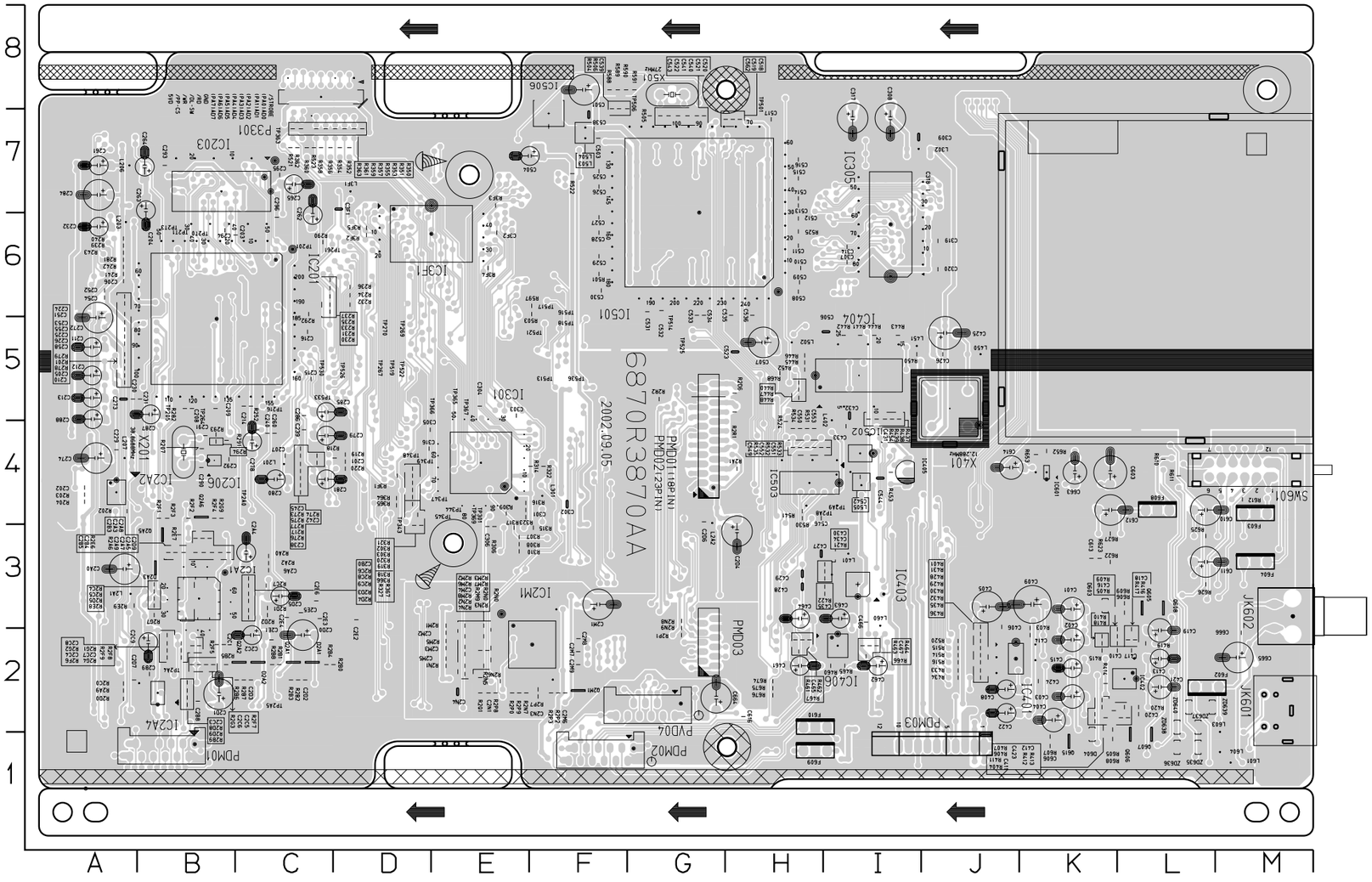
	IC503		IC502		IC2A4		IC2A2		IC206		IC504		IC506	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
1	0	0	0	0	4.87	4.39	1.57	1.56	2.63	2.64	2.11	2.19	(IN)0	0
2	3.1	3.1	5.03	5.03	2.3	2.31	1.57	1.56	2.74	0	5.05	5.05	(OUT)1.80	0
3	5.03	5.03	0	0	2.29	2.29	1.57	0	2.74	2.76	2.37	2.44		
4	0	0	5.1	5.1	0	0	0	0	0	0	0	0		
5	0	0	0	0	2.29	2.29	1.62	1.62	1.92	1.88				
6	0	0	5.04	5.04	2.3	2.31	1.62	1.62	2.28	0				
7	5.05	5.05	0	0	2.51	2.45	1.62	1.62	2.28	0				
8	0	3.15	5.03	5.04	5.02	5.02	5.04	4.99	5.04	0				
9	0	0												
10	0	0												
11	0	0.46												
12	0	0.15												
13	3.11	3.1												
14	0	0												
15	0	0												
16	0	0												
17	3.09	3.09												
18	5.15	5.14												
19	0	0												
20	5.15	5.15												

	Q2M1		Q2A1		Q2A6		Q2A5		Q2A2	
	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
E	0	0	5.02	0	0	2.41	2.34	2.35	5.02	4.95
B	0	0	0	0	3.62	3.72	3.82	0	0	0
C	0	3.14	0	0	0	3.1	0	0	5.01	4.94

	Q610		Q611		Q609		Q613		Q614		Q612	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
Emitter	0	0	0	0	0	0	0	0	0	0	0	0
Collector	0	0	0	0	0	0	0	0	0	0	0	
Base	0.77	0.78	0.77	0.77	0.76	0.77	0.76	0.77	0.77	0.77	0.76	0.79

PRINTED CIRCUIT DIAGRAMS

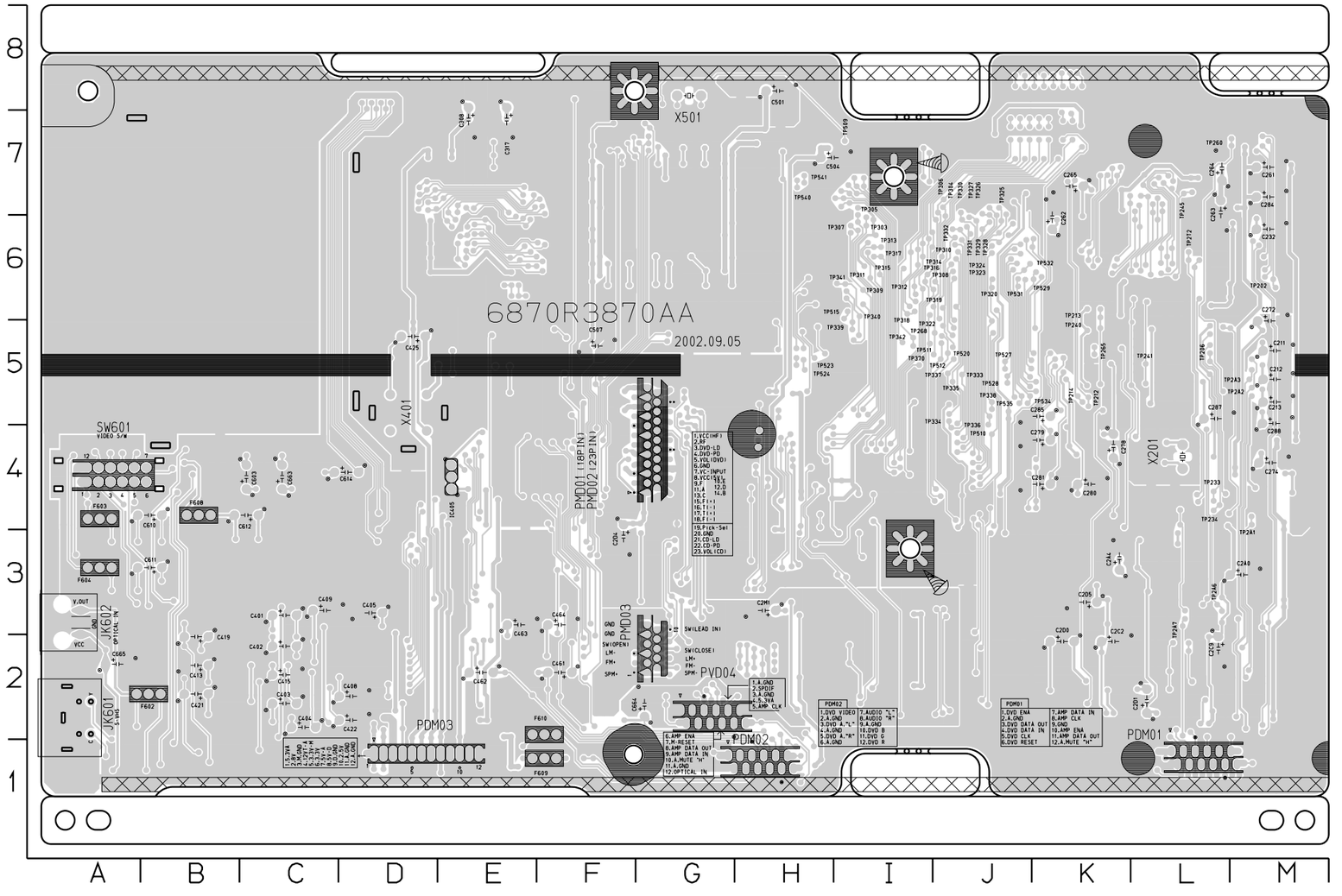
1. MAIN P.C.BOARD (TOP VIEW)



LOCATION GUIDE

C201	D4	C294	B6	C304	E5	C503	F7	C665	M2	L604	M1	PIN0256	L3	R292	C6	R2M5	E2	R363	C7	R461	H2	TP216	C5
C202	A4	C295	C7	C305	D4	C504	F7	C666	M2	P3301	C8	PIN0257	L3	R293	B4	R2M6	E2	R364	D4	R462	H2	TP261	D6
C203	C6	C296	C6	C306	E3	C506	I5	D2A1	C2	PDM01	B1	PIN0261	C4	R294	B4	R2M7	E2	R365	D4	R463	I2	TP264	B5
C204	B6	C2A0	A3	C307	I6	C507	H5	D2A2	C2	PDM02	G1	PIN0262	J2	R2A0	C3	R2M8	E2	R366	D4	R464	I2	TP267	D5
C205	A5	C2A3	B3	C308	I7	C508	H6	D2A3	B3	PDM03	J1	PIN0265	L3	R2A1	H4	R2M9	E2	R367	D3	R465	I2	TP269	D5
C206	A6	C2A4	C3	C309	I7	C509	H6	D603	K3	PIN0001	C6	PIN0272	L1	R2A2	C3	R2N0	E2	R3F1	D4	R466	I2	TP270	D5
C207	C4	C2A5	B3	C314	I6	C510	H6	D604	K1	PIN0008	K2	PIN0275	L2	R2A6	B3	R2N1	E2	R3F2	D6	R467	H2	TP2A0	C4
C208	B5	C2A6	C3	C316	D4	C511	H6	F602	L2	PIN0009	K2	PIN0278	L2	R2A9	A2	R2N2	E2	R3F3	E7	R468	H6	TP2A4	B2
C209	B5	C2A7	B3	C317	I7	C512	H6	F603	M4	PIN0010	K2	PMD01	G4	R2B0	D2	R2N3	E2	R3F4	E6	R501	F6	TP2A5	C2
C210	A5	C2A8	B3	C318	J7	C513	H7	F604	M3	PIN0011	L2	PMD02	G4	R2B1	C2	R2N4	E2	R3F5	D6	R503	F6	TP2A8	H4
C211	A5	C2A9	B3	C319	J6	C514	H7	F605	L4	PIN0013	L3	PMD03	G2	R2B2	C2	R2N5	E2	R401	J3	R504	F7	TP2A9	I4
C212	A5	C2B0	C3	C320	J6	C515	H7	F609	H1	PIN0014	K2	PVD04	G2	R2B3	C2	R2N6	E2	R403	K2	R505	G7	TP2T0	B6
C213	A5	C2B3	B3	C3F1	D7	C516	H7	F610	H2	PIN0016	L2	Q2A1	C2	R2B4	C2	R2N7	E2	R404	K2	R506	F7	TP2T1	B6
C214	C5	C2B4	B3	C3F2	E6	C517	H7	IC201	B5	PIN0017	K2	Q2A2	C2	R2B5	B2	R2N8	G3	R405	L2	R514	J2	TP2T3	B6
C215	C5	C2B5	B3	C401	K3	C518	H7	IC203	B7	PIN0018	I3	Q2A5	B3	R2B6	C2	R2N9	G2	R406	K2	R515	J2	TP301	E4
C216	C5	C2B8	B2	C402	K2	C519	H7	IC206	B4	PIN0020	H3	Q2A6	B4	R2B7	C2	R2P0	E2	R407	K2	R516	J2	TP343	D4
C224	A6	C2B9	B2	C403	K2	C520	G7	IC2A1	B3	PIN0022	H3	Q2M1	F2	R2B8	C2	R2P1	G2	R409	L2	R520	J2	TP344	E4
C225	A5	C2C1	B2	C404	K2	C521	G7	IC2A2	A4	PIN0023	I5	Q605	L3	R2B9	B2	R2P2	F2	R410	K2	R521	C7	TP345	E4
C226	A5	C2C2	C2	C405	J3	C522	G7	IC2A4	B2	PIN0024	I4	Q606	L1	R2C0	A2	R2P3	F2	R411	K2	R522	F7	TP346	D4
C229	A4	C2C3	B2	C406	J3	C523	H5	IC2M1	F2	PIN0027	H2	Q607	L1	R2C4	B3	R2P7	F2	R412	L2	R523	C7	TP347	D4
C230	A5	C2C4	B2	C408	J2	C525	F7	IC301	E4	PIN0028	I2	Q608	L3	R2C5	B3	R2P8	E2	R413	L2	R524	H4	TP348	D4
C231	B5	C2C5	B2	C409	K3	C526	F7	IC305	I6	PIN0029	I4	Q615	K1	R2C6	C3	R2P9	E2	R414	K2	R525	H6	TP349	E4
C232	A6	C2C6	B2	C410	L2	C527	F6	IC3F1	E6	PIN0037	K3	R201	A5	R2C7	C3	R2Q1	E2	R415	K2	R530	H4	TP363	C7
C238	C4	C2C7	B2	C411	K2	C528	F6	IC401	J2	PIN0038	K3	R202	A4	R2C8	C3	R2R1	H5	R416	L2	R531	H4	TP365	E5
C239	C4	C2C8	B2	C412	L2	C529	F6	IC402	L2	PIN0040	K1	R203	A4	R2C9	C3	R2R2	G5	R417	L2	R532	H4	TP366	E5
C240	C4	C2C9	B2	C413	L2	C530	F6	IC403	I3	PIN0130	B4	R204	A4	R2D0	A2	R302	D4	R418	K2	R533	I4	TP367	E5
C242	C4	C2D0	C2	C414	K2	C531	G6	IC404	I5	PIN0138	F4	R207	B4	R2D1	C3	R303	D4	R419	L2	R534	H4	TP369	E4
C245	C4	C2D1	B2	C415	K2	C532	G6	IC405	I4	PIN0139	F4	R217	C4	R2D2	C3	R306	E3	R420	L2	R535	H4	TP501	H8
C251	A6	C2D2	C2	C416	L2	C533	G6	IC406	I2	PIN0147	D4	R218	D4	R2D3	C3	R307	E3	R421	I3	R541	H4	TP506	G7
C252	A6	C2D3	C2	C417	L2	C534	G6	IC501	G6	PIN0152	H4	R219	D4	R2D4	C3	R308	E3	R422	I3	R588	F8	TP513	F5
C253	A6	C2D4	H3	C418	L2	C535	H6	IC502	I4	PIN0153	I4	R220	D4	R2D5	B3	R309	E4	R428	J2	R589	F8	TP514	G6
C254	A6	C2D5	C3	C419	L2	C536	H6	IC503	H4	PIN0162	I6	R230	C6	R2D6	H5	R310	E3	R429	J2	R590	F8	TP516	F6
C255	A5	C2D6	G4	C420	L2	C538	F7	IC506	F7	PIN0170	K2	R231	C6	R2D8	B2	R314	F4	R430	J2	R591	G8	TP517	F6
C258	A5	C2D7	A2	C421	L2	C539	G7	IC601	K4	PIN0171	K2	R232	D6	R2D9	B2	R315	F3	R431	J2	R597	F6	TP518	F5
C260	C4	C2D9	B3	C422	J2	C540	G7	JK601	M2	PIN0172	I3	R233	C6	R2E6	B3	R316	E4	R432	J2	R605	K1	TP519	D5
C261	A7	C2E1	C2	C423	K2	C541	G7	JK602	M3	PIN0173	I3	R234	D6	R2E7	B3	R317	E3	R433	J2	R606	L3	TP521	F5
C262	C6	C2E2	D3	C424	K2	C542	I4	L201	C4	PIN0174	I3	R235	C6	R2E8	B3	R318	D4	R434	J2	R607	K1	TP522	D5
C263	B7	C2E3	C3	C425	J5	C543	G7	L203	A6	PIN0175	I3	R236	D6	R2E9	A3	R319	D4	R435	J2	R608	K2	TP525	G5
C264	B7	C2E4	C3	C426	J5	C544	I4	L206	A7	PIN0176	H5	R237	C6	R2F1	B4	R320	D4	R436	J2	R609	L3	TP526	D5
C265	C7	C2E5	C3	C427	H3	C546	H4	L207	A4	PIN0177	H5	R239	A6	R2F2	B4	R321	D4	R437	I5	R610	L4	TP530	C5
C272	A5	C2E6	C3	C428	H3	C549	H4	L2A1	A3	PIN0178	H5	R240	A6	R2F3	B4	R322	F4	R438	I5	R611	L4	TP533	C6
C273	A5	C2M1	F3	C429	H3	C550	H4	L2A2	G4	PIN0181	I5	R241	A6	R2F4	B4	R323	E4	R439	I5	R612	M4	TP536	F5
C274	A4	C2M2	E2	C430	I3	C551	H4	L301	F4	PIN0182	I5	R242	A6	R2F5	B2	R327	D3	R440	H5	R622	K3	X201	B4
C278	C4	C2M3	E2	C431	I5	C552	H4	L302	I7	PIN0183	I5	R243	A6	R2F6	B2	R350	D7	R441	I5	R623	K3	X401	J5
C279	C4	C2M4	E2	C432	I5	C553	H4	L3F1	D7	PIN0184	I5	R252	C5	R2F7	B2	R351	D7	R442	I5	R625	L3	X501	G8
C280	C4	C2M5	E2	C433	I4	C562	H7	L401	I3	PIN0189	I5	R273	C4	R2F8	B2	R352	D7	R443	I5	R626	L3	ZD635	L1
C281	C4	C2M6	F2	C434	I3	C603	K4	L402	I4	PIN0191	I5	R274	C4	R2F9	B2	R353	D7	R444	I5	R627	K3	ZD636	L1
C284	A7	C2M7	F2	C435	I3	C606	K1	L450	J5	PIN0195	H5	R275	C4	R2G1	B2	R354	D7	R445	H5	R652	K4	ZD637	L2
C285	C5	C2M8	F2	C461	H2	C610	L4	L451	I5	PIN0198	H6	R276	C4	R2G2	B2	R355	D7	R446	H5	R653	K4	ZD638	L2
C286	C5	C2M9	F2	C462	I2	C611	L3	L460	I3	PIN0237	I4	R277	C4	R2G3	B2	R356	C7	R447	H5	R674	H2	ZD639	L2
C287	B5	C2N1	E2	C463	I3	C612	K4	L502	H5	PIN0238	I4	R278	A5	R2G4	B2	R357	C7	R448	H5	R675	H2	ZD640	L2
C288	A5	C2N3	F2	C464	H3	C613	K3	L503	F7	PIN0242	H4	R279	A5	R2G7	B3	R358	C7	R450	I5	R676	H2		
C290	B4	C2N4	E2	C465	H2	C614	J4	L504	F7	PIN0243	F7	R281	A6	R2G9	B4	R359	C7	R452	H5	SW601	M4		
C291	B4	C301	E4	C466	I3	C616	H2	L505	I4	PIN0246	L1	R282	B5	R2M1	E3	R360	C7	R453	I4	TP201	C6		
C292	B4	C302	F4	C467	I2	C663	K4	L601	M1	PIN0247	M1	R290	C6	R2M2	E3	R361	C7	R454	I5	TP205	B5		
C293	B7	C303	E5	C501	F8	C664	G2	L603	M1	PIN0255	B3	R291	B4	R2M3	E3	R362	C7	R460	I2	TP215	B5		

2. MAIN P.C.BOARD (BOTTOM VIEW)



LOCATION GUIDE

PIN0030	F3	TP316	I6
PIN0051	L3	TP317	I6
PIN0084	L5	TP318	I6
PIN0200	F7	TP319	J6
PIN0204	F7	TP320	J6
PIN0205	F7	TP322	J5
PIN0206	F7	TP323	J6
PIN0248	J7	TP324	J6
PIN0249	J7	TP325	J7
PIN0250	J7	TP326	J7
PIN0251	K7	TP327	J7
PIN0252	K8	TP328	J6
TP202	M6	TP329	J6
TP206	L5	TP330	J7
TP212	K5	TP331	J6
TP213	K6	TP332	J6
TP214	K5	TP333	J5
TP233	L4	TP334	J5
TP234	L4	TP335	J5
TP240	K5	TP336	J4
TP241	L5	TP337	J5
TP245	L7	TP338	J5
TP260	M7	TP339	I5
TP265	K5	TP340	I6
TP268	J5	TP341	I6
TP2A1	M4	TP342	I5
TP2A2	M5	TP370	I5
TP2A3	M5	TP509	I7
TP2A6	L3	TP510	J4
TP2A7	L3	TP511	I5
TP2T2	L6	TP512	J5
TP303	I6	TP515	I6
TP304	J6	TP520	J5
TP305	I6	TP523	H5
TP306	J7	TP524	H5
TP307	I6	TP527	J5
TP308	I6	TP528	J5
TP309	I6	TP529	K6
TP310	I6	TP531	J6
TP311	I6	TP532	J6
TP312	I6	TP533	J5
TP313	I6	TP534	J5
TP314	I6	TP535	J5
TP315	I6	TP540	H7
		TP541	H7

MEMO

MEMO

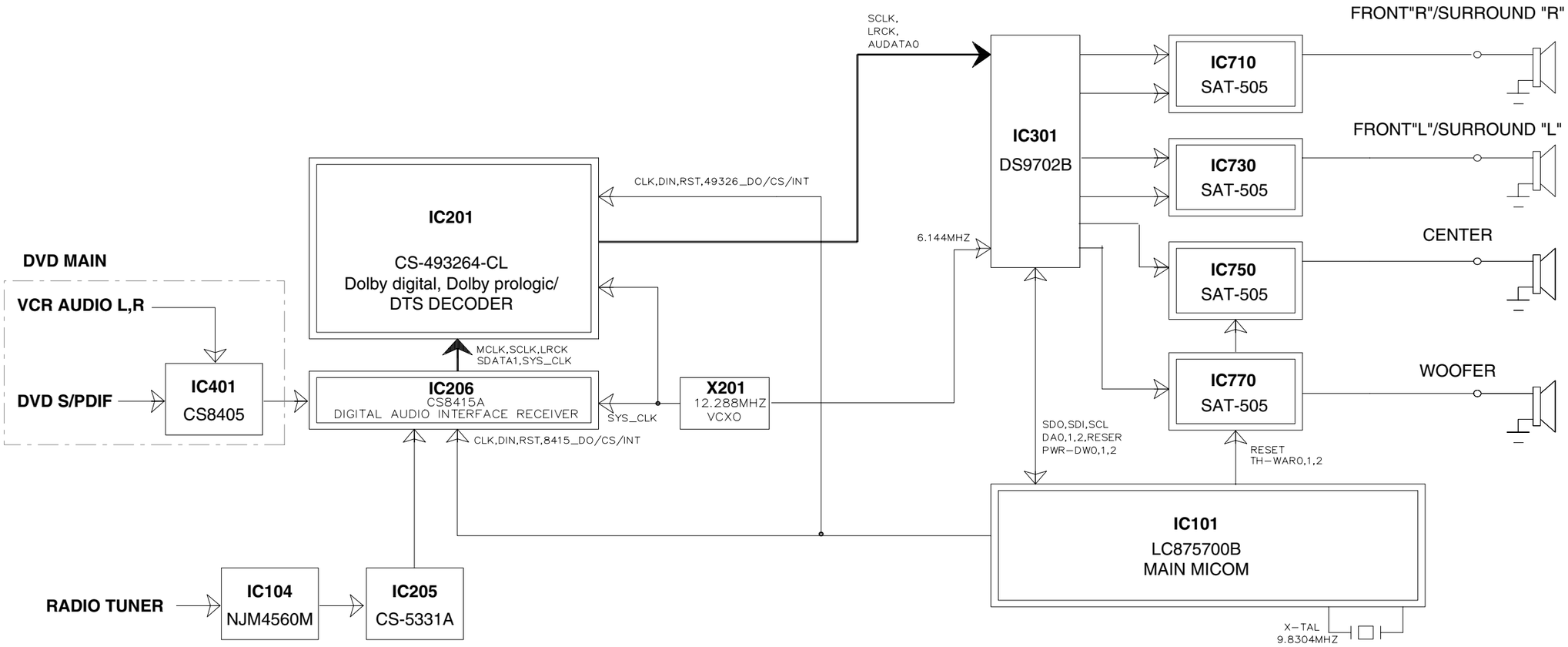
• CIRCUIT VOLTAGE CHART

MODE / PIN NO.	EE	PLAY
IC101		
1	5.23	5.22
2	0	0
3	1.75	1.99
4	0	0
5	4.91	4.91
6	NC	NC
7	0.54	1.88
8	0.54	1.88
9	4.91	4.91
10	0	0
11	4.77	4.77
12	0.12	0.12
13	4.72	4.72
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	3.24	3.22
23	0.91	0.91
24	1.65	1.65
25	0	0
26	0	0
27	1.99	1.93
28	3.12	3.12
29	3.26	3.25
30	3.12	3.12
31	4.65	4.65
32	NC	NC
33	NC	NC
34	NC	NC
35	0	0
36	4.91	4.91
37	3.25	3.24
38	4.91	4.91
39	0	0
40	3.22	3.2
41	NC	NC
42	NC	NC
43	NC	NC
44	NC	NC
45	NC	NC
46	4.91	4.9
47	2.08	2.03
48	2.07	2.07
49	4.91	4.9
50	NC	NC
51	5.09	5.08
52	0	0
53	4.91	4.91
54	2.16	2.1
55	2.04	1.96
56	0	0
57	2.36	2.36
58	2.42	2.42
59	4.9	4.91
60	2.4	2.4
61	1.8	1.9
62	4.9	4.9
63	0	0
64	5.23	5.22
IC102		
1	4.93	4.93
2	0	0
3	4.93	4.93
IC103		
1	3.72	3.71
2	0	0
3	4.93	4.93
IC104		
1	6.04	6.04
2	6.04	6.04
3	6.04	6.04
4	0	0
5	6.04	6.04
6	6.04	6.04
7	6.04	6.04
8	12.09	12.08
Q101		
B	4.85	4.58
E	0	0
C	0.01	0.01
IC710		
1	0	0
2	15.6	15.6
3	15.6	15.6
4	3.59	31.58
5	0	0
6	0	0
7	31.59	31.58
8	15.62	15.62
9	15.62	15.62
10	15.61	15.61
11	15.61	15.61
12	31.59	31.59
13	0	0
14	0	0
15	31.59	31.59
16	15.61	15.61
17	15.61	15.61
18	NC	NC
19	0	0
20	0.02	0.02
21	5.02	5.02
22	5.02	5.02
23	3.25	3.24
24	0	0
25	3.15	3.15
26	3.15	3.15
27	3.15	3.15
28	3.24	3.23
29	1.58	1.57
30	1.58	1.57
31	1.58	1.57
32	1.58	1.57
33	26.32	26.31
34	26.32	26.31
35	31.58	31.57
36	31.58	31.57
IC730		
1	0	0
2	15.6	15.6
3	15.6	15.6
4	31.59	31.58
5	0	0
6	0	0
7	31.59	31.58
8	15.62	15.62
9	15.62	15.62
10	15.61	15.61
11	15.61	15.61
12	31.59	31.59
13	0	0
14	0	0
15	31.59	31.59
16	15.62	15.62
17	15.62	15.62
18	NC	NC
19	0	0
20	0.03	0.03
21	5.06	5.06
22	5.06	5.06
23	3.24	3.23
24	0	0
25	3.15	3.15
26	3.15	3.15
27	3.15	3.15
28	3.24	3.23
29	1.58	1.57
30	1.58	1.57
31	1.58	1.57
32	1.58	1.57
33	26.3	26.3
34	26.3	26.3
35	31.58	31.57
36	31.58	31.57
IC750		
1	0	0
2	15.6	15.6
3	15.6	15.6
4	31.59	31.58
5	0	0
6	0	0
7	31.59	31.58
8	15.62	15.62
9	15.62	15.62
10	15.61	15.61
11	15.61	15.61
12	31.59	31.59
13	0	0
14	0	0
15	31.59	31.59
16	15.61	15.61
17	15.61	15.61
18	NC	NC
19	0	0
20	0.02	0.02
21	5.02	5.02
22	5.02	5.02
23	3.25	3.24
24	0	0
25	3.15	3.15
26	3.15	3.15
27	3.15	3.15
28	3.24	3.23
29	1.58	1.57
30	1.58	1.57
31	1.58	1.57
32	1.58	1.57
33	26.3	26.3
34	26.3	26.3
35	31.58	31.57
36	31.58	31.57
IC201		
1	2.46	2.44
2	0	0
3	0	0.92
4	2.46	2.44
5	0	0
6	2.46	2.44
7	0	0
8	2.46	2.44
9	2.46	2.44
10	2.46	2.44
11	2.46	2.44
12	0	2.44
13	0	0
14	2.46	2.44
15	2.46	2.44
16	2.46	2.44
17	2.46	2.44
18	2.46	2.44
19	0.04	0.04
20	2.46	2.44
21	2.46	2.44
22	0.14	0.19
23	2.46	2.44
24	0	0
25	1.6	1.58
26	1.63	1.62
27	1.335	1.34
28	1.59	1.58
29	1.63	1.62
30	1.68	1.67
31	0	0
32	1.99	1.96
33	1.37	1.29
34	2.5	2.47
35	0	0
36	3.25	3.23
37	2.5	2.45
38	2.5	2.45
39	0	0.8
40	0	0.35
41	0	1.37
42	1.63	1.62
43	1.6	1.58
44	1.62	1.61
IC205		
1	1.38	1.37
2	1.59	1.58
3	1.62	1.62
4	1.62	1.61
5	2.23	2.23
6	0	0
7	4.9	4.9
8	2.23	2.23
IC401		
1	1.62	1.62
2	0.07	0.07
3	3.26	3.26
4	2.44	2.44
5	2.44	2.44
6	4.92	4.92
7	0	0
8	2.22	2.22
9	3.23	3.25
10	1.61	1.62
11	0	0
12	3.91	3.93
IC402		
14	0	0
15	0	0
16	1.58	1.59
17	1.62	1.63
18	0.14	0.2
19	3.25	3.26
20	NC	NC
21	1.67	1.68
22	0	0
23	3.25	3.26
24	0	0
25	0	0
26	0	0
27	0.07	0.07
28	0.38	0.38
IC301		
1	0	0
2	0	0
3	3.21	3.18
4	4.91	4.91
5	3.21	3.18
6	2.95	2.92
7	1.72	1.7
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	3.21	3.18
16	0	0
17	0	0.9
18	0	0
19	0	0
20	0	0
21	0	0.9
22	1.59	1.6
23	1.63	1.62
24	3.22	3.18
25	0	0
26	0	0.9
27	0	0
28	0	0
29	0	0
30	NC	NC
31	NC	NC
32	3.21	3.18
33	0	0
34	NC	NC
35	NC	NC
36	NC	NC
37	0	0
38	1.6	1.59
39	NC	NC
40	3.21	3.18
41	0	0
42	NC	NC
43	0	0
44	NC	NC
45	NC	NC
46	3.21	3.18
47	0	0
48	NC	NC
49	NC	NC
50	0	0
51	3.21	318
52	0	0
53	1.59	1.58
54	1.59	1.58
55	0	0
56	1.59	1.58
57	1.59	1.58
58	3.21	3.18
59	0	0
60	1.59	1.58
61	1.59	1.58
62	0	0
63	1.59	1.58
64	1.59	1.59
65	3.21	3.18
66	0	0
67	1.59	1.58
68	1.59	1.58
69	0	0
70	1.59	1.58
71	1.59	1.58
72	3.21	3.18
73	0	0
74	0	0
75	0	0
76	3.1	3.09
77	3.21	3.18
78	0	0
79	3.22	3.2
80	0	0
81	3.21	3.18
82	3.21	3.18
83	0	0
84	3.21	3.18
85	0	0
86	1.67	1.67
87	NC	NC
88	NC	NC
89	0	0
90	3.21	3.18
91	0	0
92	3.25	3.24
93	0	0
94	0	0
95	0	0
96	0	0
97	NC	NC
98	0	0
99	3.21	3.18
100	0	0

ELECTRIC POLARITY CAPACITOR

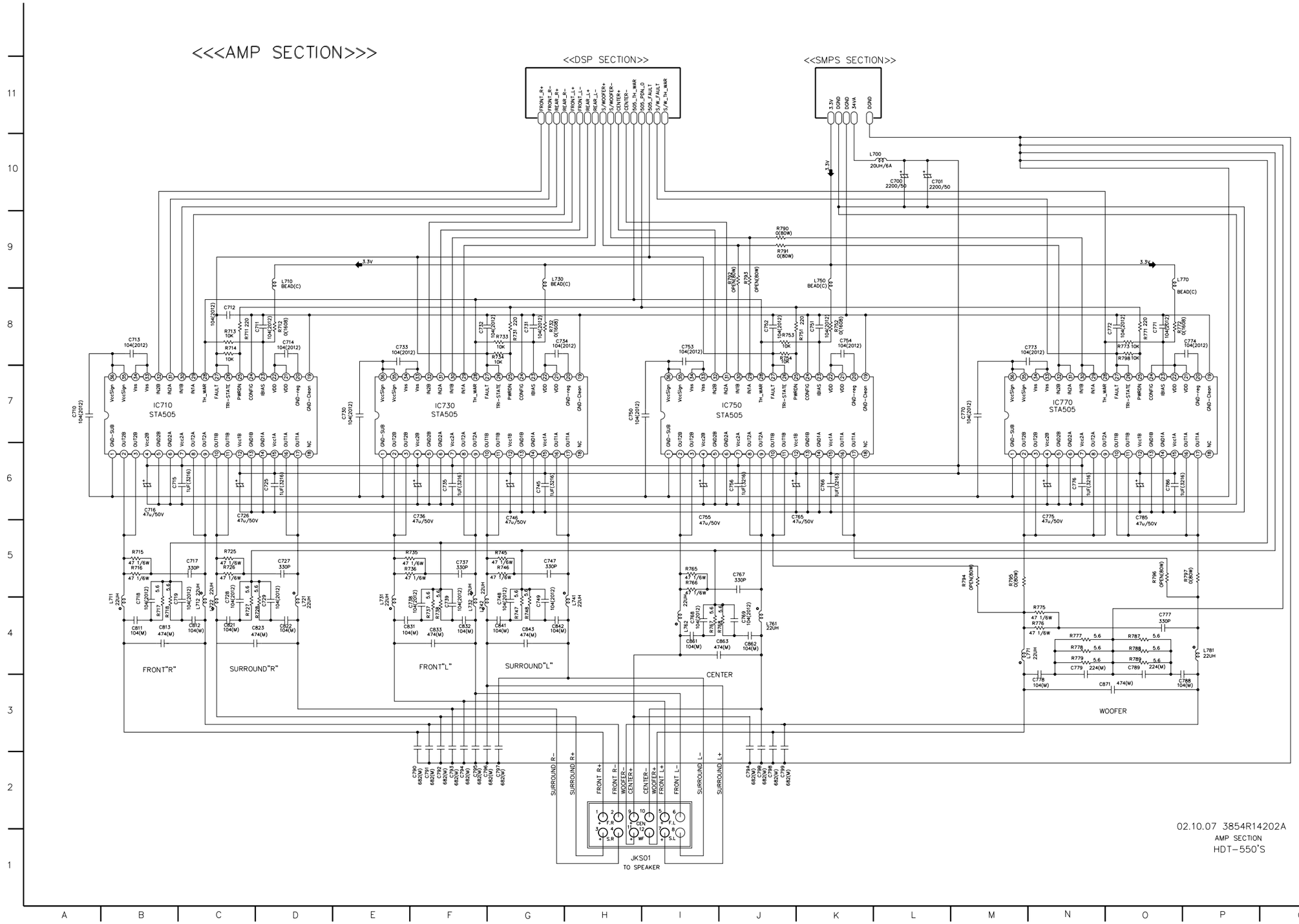
Location No.	EE		PLAY	
	+	-	+	-
C105	4.94	0	4.94	0
C108	12.13	0	12.12	0
C110	4.94	0	4.94	0
C124	6.04	0	6.04	0
C124	6.04	0	6.04	0
C126	6.04	0	6.04	0
C127	12.08	0	12.08	0
C133	12.13	0	12.13	0
C134	4.94	0	4.94	0
C135	4.94	0	4.94	0
C136	3.25	0	3.25	0
C202	3.25	0	3.24	0
C204	2.45	0	2.44	0
C206	2.45	0	2.44	0
C207	2.45	0	2.45	0
C213	2.48	0	2.47	0
C214	2.47	1.95	2.47	1.95
C226	4.93	0	4.92	0
C228	3.25	0	3.25	0
C229	2.48	0	2.47	0
C236	4.93	0	4.93	0
C301	3.21	0	3.19	0
C323	3.19	0	3.18	0
C327	3.2	0	3.19	0
C700	31.58	0	31.58	0
C701	31.58	0	31.58	0
C716	31.59	0	31.58	0
C726	31.59	0	31.59	0
C736	31.59	0	31.58	0
C746	31.59	0	31.59	0
C755	31.59	0	31.58	0
C765	31.59	0	31.59	0
C775	31.59	0	31.58	0
C785	31.59	0	31.59	0

BLOCK DIAGRAM



CIRCUIT DIAGRAMS

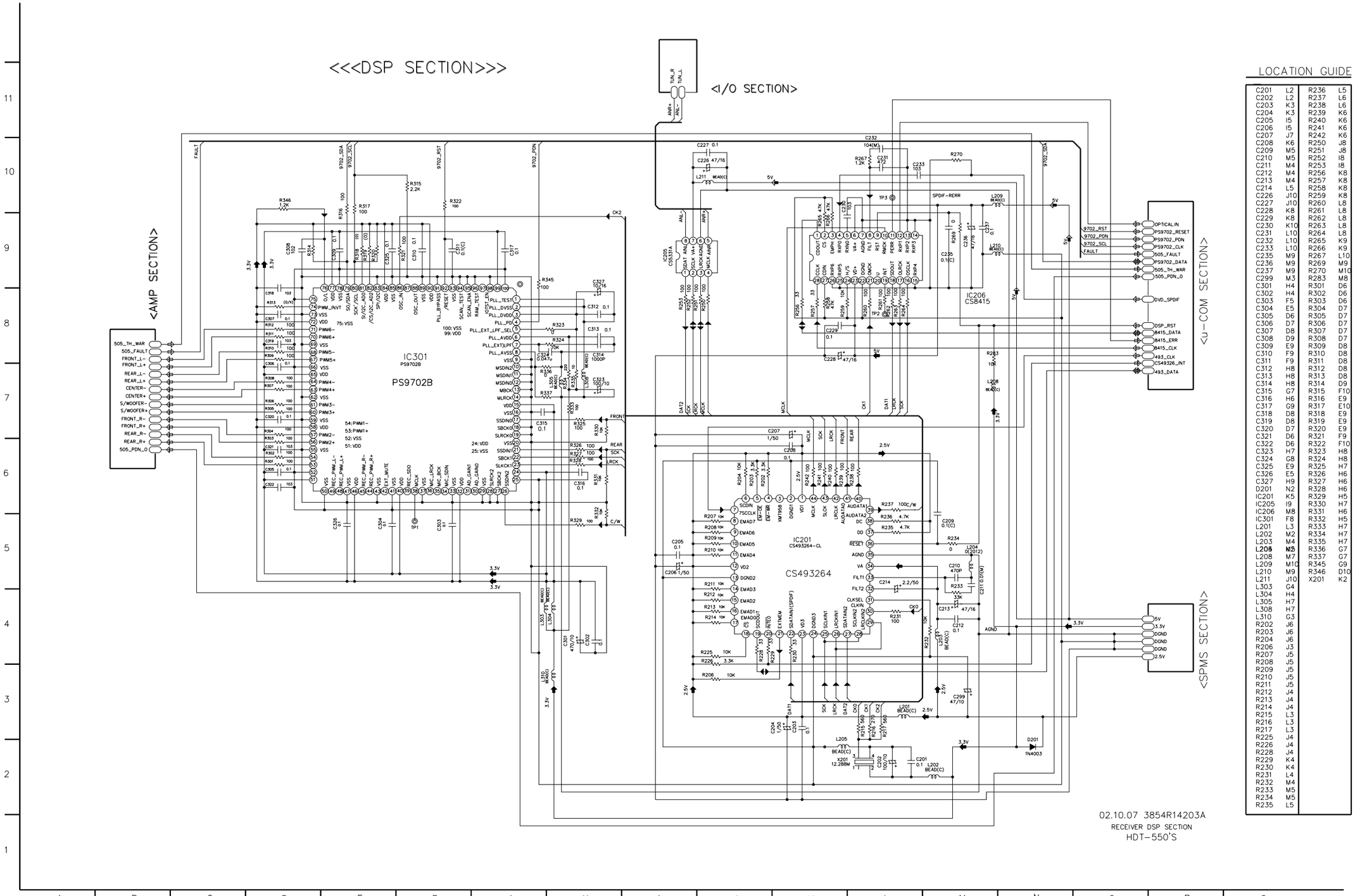
1. AMP CIRCUIT DIAGRAMS



LOCATION GUIDE

C700	L10	L721	D4
C701	L10	L722	C4
C710	A7	L730	G9
C711	D8	L731	E4
C712	C8	L732	F4
C713	B8	L741	H4
C714	D8	L742	F4
C715	B6	L750	K9
C716	B6	L761	J4
C717	C5	L762	I4
C718	B4	L770	O9
C719	B4	L771	N4
C725	D6	L781	P4
C726	C6	R711	C8
C727	D5	R712	D8
C728	C4	R713	C8
C729	D4	R714	C8
C730	E7	R715	B5
C731	G8	R716	B5
C732	F8	R717	B4
C733	E8	R718	B4
C734	G8	R725	C5
C735	F6	R726	C5
C736	F6	R727	C4
C737	F5	R728	D4
C738	F4	R731	G8
C739	F4	R732	G8
C745	G6	R733	G8
C746	G6	R734	G8
C747	G5	R735	E5
C748	G4	R736	E5
C749	G4	R737	F4
C750	H7	R738	F4
C751	K8	R745	G5
C752	J8	R746	G5
C753	I8	R747	G4
C754	K8	R748	G4
C755	I6	R751	K8
C756	J6	R752	K8
C765	J6	R753	J8
C766	K6	R754	J8
C767	J5	R765	I5
C768	I4	R766	I5
C769	J4	R767	I4
C770	M7	R768	J4
C771	O8	R771	O8
C772	O8	R772	O8
C773	M8	R773	O8
C774	P8	R775	N4
C775	N6	R776	N4
C776	N6	R777	N4
C777	O4	R778	N4
C778	N3	R779	N4
C779	N4	R787	O4
C785	O6	R788	O4
C786	O6	R789	O4
C788	O3	R790	J9
C789	O4	R791	J9
C790	F2	R792	J9
C791	F2	R793	J9
C792	F2	R794	M5
C793	F2	R795	M5
C794	F2	R796	O5
C795	F2	R797	P5
C796	G2	R798	O8
C797	G2		
C798	J2		
C799	J2		
C79A	J2		
C798	J2		
C811	B4		
C812	C4		
C813	B4		
C821	C4		
C822	D4		
C823	C4		
C831	E4		
C832	F4		
C833	F4		
C841	G4		
C842	G4		
C843	G4		
C861	I4		
C862	J4		
C863	I4		
C871	N3		
IC710	B7		
IC730	F7		
IC750	J7		
IC770	N7		
JKS01	H1		
L700	K10		
L710	D9		
L711	B4		
L712	C4		

2. DSP(DIGITAL AUDIO PROCESSING) CIRCUIT DIAGRAMS

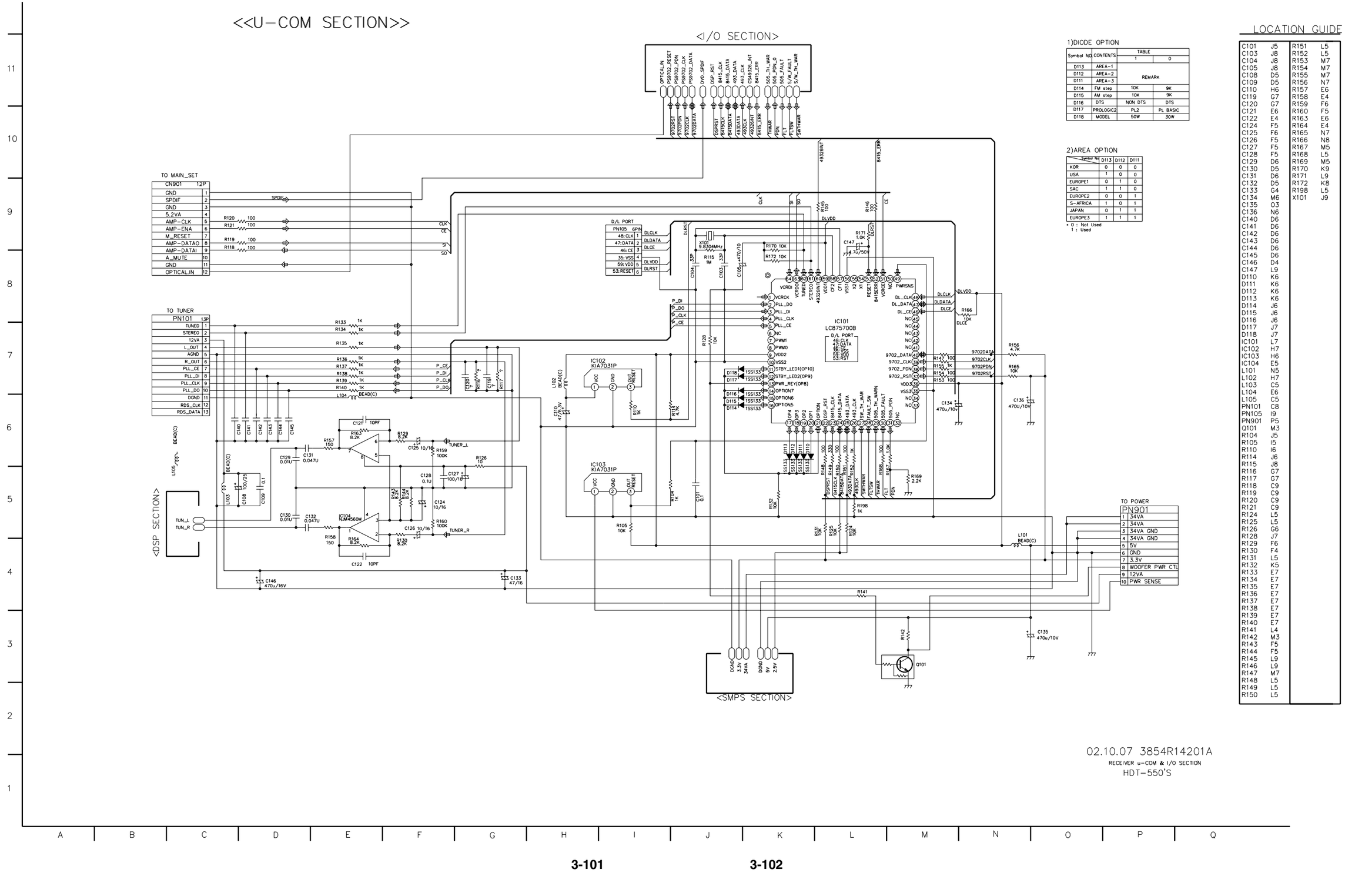


LOCATION GUIDE

C201	L2	R236	L5
C202	L2	R237	L6
C203	K3	R238	L6
C204	K3	R239	K6
C205	I5	R240	K6
C206	I5	R241	K6
C207	J7	R242	K6
C208	K6	R250	J8
C209	M5	R251	J8
C210	M5	R252	I8
C211	M4	R253	I8
C212	M4	R256	K8
C213	M4	R257	K8
C214	L5	R258	K8
C226	J10	R259	K8
C227	J10	R260	L8
C228	K8	R261	L8
C229	K8	R262	L8
C230	K10	R263	L8
C231	L10	R264	L8
C232	L10	R265	K9
C233	L10	R266	K9
C235	M9	R267	L10
C236	M9	R269	M9
C237	M9	R270	M10
C299	M3	R283	M8
C301	H4	R301	D6
C302	H4	R302	D6
C303	F5	R303	D6
C304	E5	R304	D7
C305	D6	R305	D7
C306	D7	R306	D7
C307	D8	R307	D7
C308	D9	R308	D7
C309	E9	R309	D8
C310	F9	R310	D8
C311	F9	R311	D8
C312	H8	R312	D8
C313	H8	R313	D8
C314	H8	R314	D9
C315	G7	R315	F10
C316	H6	R316	E9
C317	G9	R317	E10
C318	D8	R318	E9
C319	D8	R319	E9
C320	D7	R320	E9
C321	D6	R321	F9
C322	D6	R322	F10
C323	H7	R323	H8
C324	G8	R324	H8
C325	E9	R325	H7
C326	E5	R326	H6
C327	H9	R327	H6
D201	N2	R328	H6
IC201	K5	R329	H5
IC205	I9	R330	H7
IC206	M8	R331	H6
IC301	F8	R332	H5
L201	L3	R333	H7
L202	M2	R334	H7
L203	M4	R335	H7
L208	M5	R336	G7
L209	M10	R337	G7
L210	M9	R345	G9
L211	J10	R346	D10
L303	G4	X201	K2
L304	H4		
L305	H7		
L308	H7		
L310	G3		
R202	J6		
R203	J6		
R204	J6		
R206	J3		
R207	J5		
R208	J5		
R209	J5		
R210	J5		
R211	J5		
R212	J4		
R213	J4		
R214	J4		
R215	L3		
R216	L3		
R217	L3		
R225	J4		
R226	J4		
R228	J4		
R229	K4		
R230	K4		
R231	L4		
R232	M4		
R233	M5		
R234	M5		
R235	L5		

02.10.07 3854R14203A
RECEIVER DSP SECTION
HDT-550'S

3. µ-COM CIRCUIT DIAGRAMS



1)DIODE OPTION

Symbol NO	CONTENTS	TABLE 1	TABLE 0
D113	AREA-1	REMARK	
D112	AREA-2		
D111	AREA-3		
D114	FM step	10K	9K
D115	AM step	10K	9K
D116	DTS	NON DTS	DTS
D117	PROLOGIC2	PL2	PL BASIC
D118	MODEL	50W	30W

2)AREA OPTION

Symbol No	D113	D112	D111
KOR	0	0	0
USA	1	0	0
EUROPE1	0	1	0
SAC	1	1	0
EUROPE2	0	0	1
S-AFRICA	1	0	1
JAPAN	0	1	1
EUROPE3	1	1	1

• 0 : Not Used
1 : Used

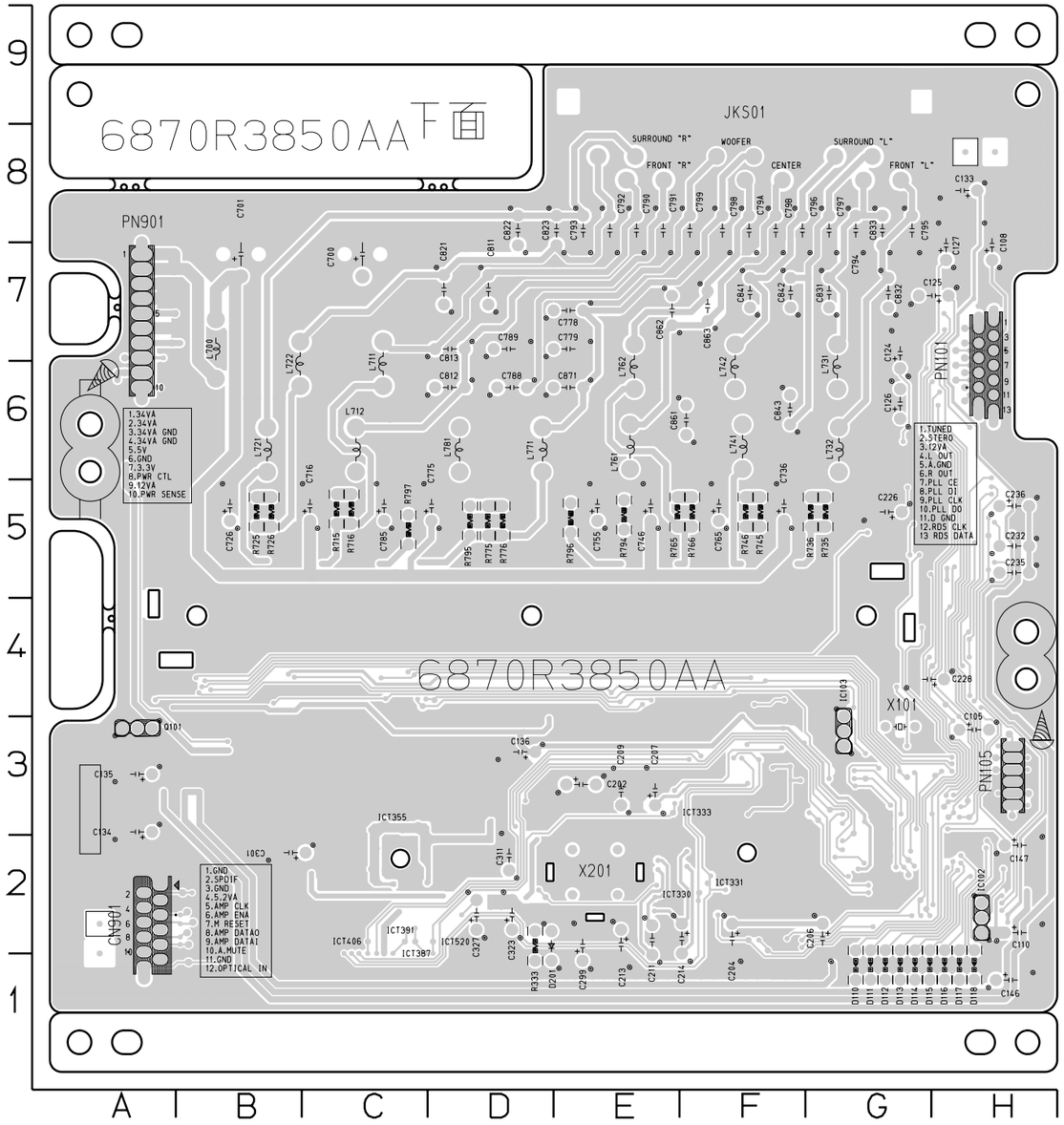
LOCATION GUIDE

C101	J5	R151	L5
C103	J8	R152	L5
C104	J8	R153	M7
C105	J8	R154	M7
C108	D5	R155	M7
C109	D5	R156	N7
C110	H6	R157	E6
C119	G7	R158	E4
C120	G7	R159	F6
C121	E6	R160	F5
C122	E4	R163	E6
C124	F5	R164	E4
C125	F6	R165	N7
C126	F5	R166	N8
C127	F5	R167	M5
C128	F5	R168	L5
C129	D6	R169	M5
C130	D5	R170	K9
C131	D6	R171	L9
C132	D5	R172	K8
C133	G4	R198	L5
C134	M6	X101	J9
C135	O3		
C136	N6		
C140	D6		
C141	D6		
C142	D6		
C143	D6		
C144	D6		
C145	D6		
C146	D4		
C147	L9		
D110	K6		
D111	K6		
D112	K6		
D113	K6		
D114	J6		
D115	J6		
D116	J6		
D117	J7		
D118	J7		
IC101	L7		
IC102	H7		
IC103	H6		
IC104	E5		
L101	N5		
L102	H7		
L103	C5		
L104	E6		
L105	C5		
PN101	C8		
PN105	I9		
PN901	P5		
Q101	M3		
R104	J5		
R105	I5		
R110	I6		
R114	J6		
R115	J8		
R116	G7		
R117	G7		
R118	C9		
R119	C9		
R120	C9		
R121	C9		
R124	L5		
R125	L5		
R126	G6		
R128	J7		
R129	F6		
R130	F4		
R131	L5		
R132	K5		
R133	E7		
R134	E7		
R135	E7		
R136	E7		
R137	E7		
R138	E7		
R139	E7		
R140	E7		
R141	L4		
R142	M3		
R143	F5		
R144	F5		
R145	L9		
R146	L9		
R147	M7		
R148	L5		
R149	L5		
R150	L5		

02.10.07 3854R14201A
RECEIVER u-COM & I/O SECTION
HDT-550'S

PRINTED CIRCUIT DIAGRAMS

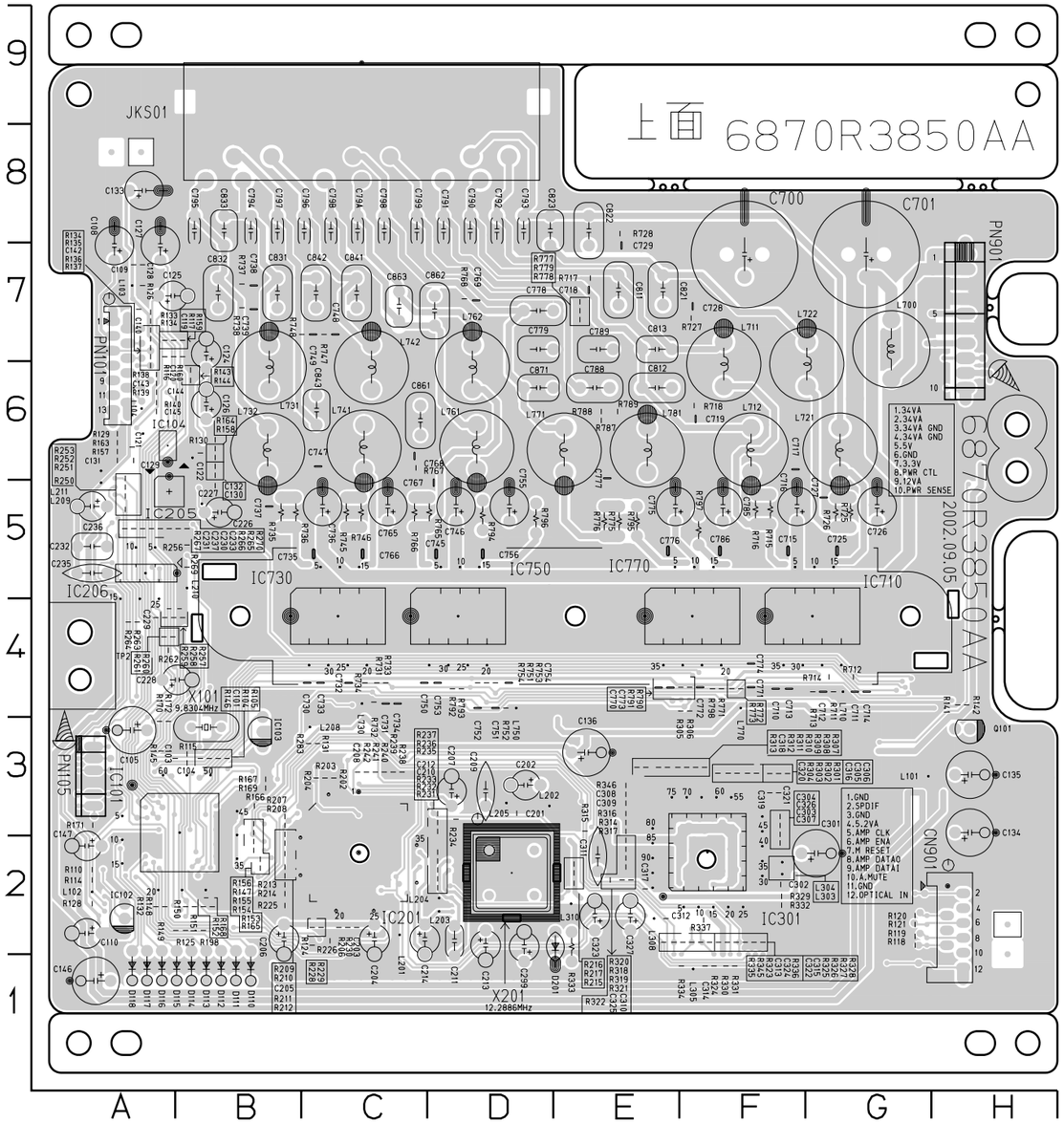
1. MAIN P.C.BOARD(SOLDER SIDE)



LOCATION GUIDE

ICT330	F2
ICT331	F2
ICT333	E3
ICT355	C3
ICT387	C2
ICT391	C2
ICT406	C2
ICT520	D2
PIN542396280	H3
PIN542396281	H3
PIN542396282	H3
PIN542396283	H3
PIN542396293	G2
PIN542396294	G2
PIN542396296	G3
PIN542396310	G3
PIN542396315	H4
PIN542396316	H4
PIN542396320	G3
PIN542396334	F2
PIN542396342	H5
PIN542396405	G2
PIN542396407	H3
PIN542396408	G3
PIN542396409	G2
PIN542396411	G3
PIN542396413	D2
PIN542396416	F2
PIN542396418	D4
PIN542396419	C4

2. MAIN P.C.BOARD



LOCATION GUIDE

C101	B3	C302	F2	C751	D4	D115	B1	L308	E2	PIN542396289	A2	PIN542396386	E3	R147	B3	R252	A5	R714	G4
C103	B3	C303	F3	C752	D4	D116	A1	L310	E2	PIN542396290	B2	PIN542396387	F3	R148	A2	R253	A6	R715	F5
C104	B3	C304	F3	C753	D4	D117	A1	L700	G1	PIN542396291	B2	PIN542396388	E3	R149	B2	R256	B5	R716	F5
C105	A3	C305	F3	C754	D4	D118	A1	L710	G4	PIN542396292	B2	PIN542396389	E3	R150	B2	R257	B4	R717	E7
C108	A7	C306	F3	C755	D5	D201	E2	L711	F6	PIN542396295	B2	PIN542396391	D4	R151	B2	R258	A4	R718	F6
C109	A7	C307	F2	C756	D5	IC101	B3	L712	F6	PIN542396300	B2	PIN542396392	D4	R152	B2	R259	A4	R725	G5
C110	A2	C308	E3	C765	C5	IC102	A2	L721	G6	PIN542396301	B2	PIN542396393	D4	R153	B2	R260	A4	R726	G5
C119	A7	C309	E3	C766	C5	IC103	B3	L722	G6	PIN542396302	B2	PIN542396394	E3	R154	B2	R261	A4	R727	F7
C120	A7	C310	E2	C767	D5	IC104	A6	L730	C4	PIN542396303	B3	PIN542396395	F3	R155	B2	R262	A4	R728	E8
C121	A6	C311	E2	C768	C6	IC201	C2	L731	B6	PIN542396311	B3	PIN542396397	F4	R156	B3	R263	A4	R731	C4
C122	B6	C312	E2	C769	D7	IC205	A5	L732	B6	PIN542396314	A3	PIN542396398	F4	R157	A6	R264	A4	R732	C4
C124	B7	C313	F2	C770	E4	IC206	A5	L741	C6	PIN542396317	A3	PIN542396399	E4	R158	B6	R265	B5	R733	C4
C125	A7	C314	F1	C771	F4	IC301	F2	L742	C6	PIN542396318	A3	PIN542396400	G4	R159	B7	R266	A5	R734	C4
C126	B6	C315	F2	C772	F4	IC710	G4	L750	D4	PIN542396321	B3	PIN542396401	C4	R160	B7	R267	A5	R735	B5
C127	A7	C316	F3	C773	E4	IC730	C4	L761	D6	PIN542396322	B3	PIN542396402	D4	R163	A6	R269	B5	R736	B5
C128	A7	C317	E2	C774	F4	IC750	D4	L762	D6	PIN542396323	B2	PIN542396403	F4	R164	B6	R270	B5	R737	B7
C129	A6	C318	E3	C775	E5	IC770	F4	L770	F4	PIN542396324	B2	PIN542396404	C2	R165	B2	R283	C3	R738	B7
C130	B6	C319	F3	C776	E5	IC1332	C3	L771	E6	PIN542396325	B2	PIN542396406	B3	R166	B3	R301	F3	R745	C5
C131	A6	C320	F3	C777	E6	IC1334	C3	L781	E6	PIN542396326	B2	PIN542396410	B1	R167	B3	R302	F3	R746	C5
C132	B6	C321	F3	C778	D7	IC1335	C3	PIN542396241	E3	PIN542396327	B2	PIN542396414	E2	R168	B2	R303	F3	R747	C7
C133	A8	C322	F2	C779	D7	IC1336	C3	PIN542396242	B3	PIN542396328	B2	PIN542396415	E2	R169	B3	R304	F3	R748	C7
C134	H3	C323	E2	C785	F5	IC1341	E3	PIN542396243	A6	PIN542396329	B2	PIN542396417	C3	R170	A3	R305	F4	R751	D4
C135	H3	C324	F2	C786	F5	IC1342	E3	PIN542396244	A6	PIN542396330	C2	PN101	A7	R171	A3	R306	F4	R752	D4
C136	E3	C325	E2	C788	E6	IC1343	F3	PIN542396245	B6	PIN542396331	C2	PN105	A3	R172	A3	R307	F3	R753	D4
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C147	A2	C713	F4	C796	C8	IC1352	F3	PIN542396253	A5	PIN542396340	B5	R116	A7	R209	B3	R315	E3	R773	F4
C201	D3	C714	G4	C797	B8	IC1360	C3	PIN542396254	E3	PIN542396341	A5	R117	A7	R210	B2	R316	E3	R775	E5
C202	D3	C715	F5	C798	C8	IC1361	C3	PIN542396256	F1	PIN542396343	A4	R118	G2	R211	B2	R317	E3	R776	E5
C203	C2	C716	F5	C799	C8	IC1362	C2	PIN542396257	F2	PIN542396344	A4	R119	G2	R212	B2	R318	E2	R777	E7
C204	C2	C717	F6	C79A	C8	IC1363	C2	PIN542396258	G4	PIN542396345	A4	R120	G2	R213	B2	R319	E2	R778	E7
C205	B2	C718	E7	C79B	C8	IC1370	C2	PIN542396259	G4	PIN542396346	A4	R121	G2	R214	B2	R320	E2	R779	E7
C206	B2	C719	F6	C811	E7	IC1382	C3	PIN542396260	F4	PIN542396348	A4	R124	C2	R215	E2	R321	E2	R787	E6
C207	D3	C725	G5	C812	E6	IC1383	C3	PIN542396261	G4	PIN542396349	A4	R125	B2	R216	E2	R322	E2	R788	E6
C208	C3	C726	G5	C813	E7	IC1384	C3	PIN542396262	G4	PIN542396350	A4	R126	A7	R217	E2	R323	F2	R789	E6
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C226	B5	C733	C4	C841	C7	L104	A6	PIN542396269	D4	PIN542396357	F2	R134	A7	R232	D2	R330	F1	R796	D5
C227	B5	C734	C4	C842	C7	L201	C2	PIN542396270	D4	PIN542396358	F2	R135	A7	R233	D2	R331	F1	R797	F5
C228	B4	C735	C5	C843	C6	L202	D3	PIN542396271	D4	PIN542396370	E3	R136	A7	R234	D3	R332	F2	R798	F4
C229	A4	C736	C5	C861	C6	L203	D2	PIN542396272	D4	PIN542396371	E3	R137	A8	R235	D3	R333	E2	TP1	F2
C230	A5	C737	B5	C862	D7	L204	D2	PIN542396273	E4	PIN542396372	E2	R138	A6	R236	D3	R334	F1	TP2	A4
C231	A5	C738	B7	C863	C7	L205	D3	PIN542396274	F4	PIN542396373	E2	R139	A6	R237	D3	R335	E2	TP3	A5
C232	A5	C739	B7	C871	D6	L208	C3	PIN542396275	F4	PIN542396374	E2	R140	A6	R238	C3	R336	F2	X101	B3
C233	A5	C745	D5	CN901	H2	L209	A5	PIN542396276	E4	PIN542396379	G4	R141	H4	R239	C3	R337	F2	X201	D2
C235	A5	C746	D5	D110	B1	L210	B5	PIN542396277	F4	PIN542396380	F3	R142	H4	R240	C3	R345	E2		
C236	A5	C747	C6	D111	B1	L211	A6	PIN542396278	F4	PIN542396381	F3	R143	B6	R241	C3	R346	E3		
C237	A5	C748	C7	D112	B1	L303	F2	PIN542396279	A3	PIN542396382	F3	R144	B6	R242	C3	R711	G4		
C299	D2	C749	C7	D113	B1	L304	F2	PIN542396287	A2	PIN542396383	F3	R145	A3	R250	A5	R712	G4		
C301	G2	C750	C4	D114	B1	L305	F1	PIN542396288	A2	PIN542396385	C4	R146	B3	R251	A5	R713	G4		

MEMO

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SECTION 4 MECHANISM OF VCR PART

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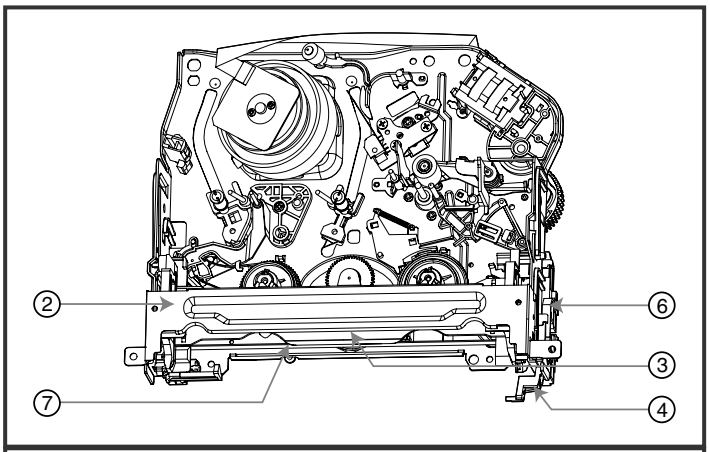
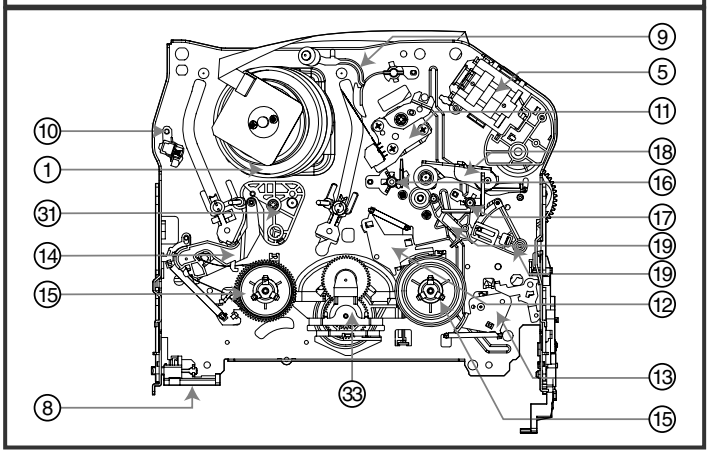
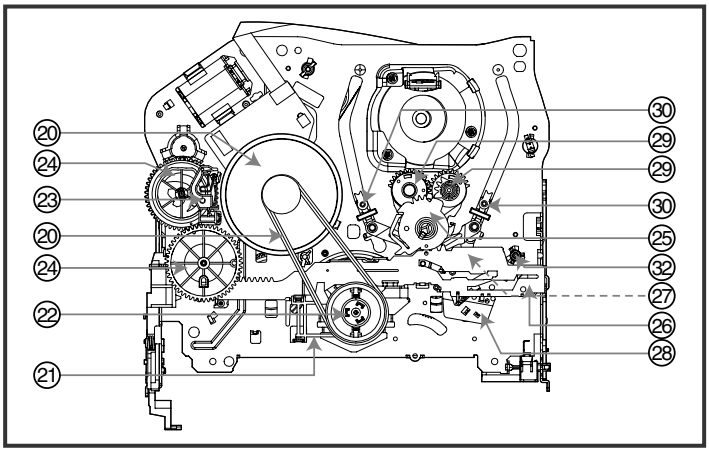
DECK MECHANISM PARTS LOCATIONS

• Top View





• Bottom View



Starting No. \ Procedure		Part	Fixing Type	Figure	
	1	Drum Assembly	3 Screw	A-1	T
	2	Plate Assembly Top	2 Hook	A-2	T
2	3	Holder Assembly CST	Chassis Hole	A-2	T
2	4	Opener Door	Chassis Hole	A-2	T
	5	Bracket Assembly L/D Motor	3 Hook	A-2	T
2,3,4	6	Gear Assembly Rack F/L	1 Hook, Chassis Hole	A-2	T
2,3,4,6	7	Arm Assembly F/L	Chassis Hole	A-2	T
	8	Lever Assembly S/W	1 Hook	A-2	T
	9	Arm Assembly Cleaner	Chassis Embossing	A-3	T
	10	Head F/E	Chassis Embossing	A-3	T
	11	Base Assembly A/C Head	1 Screw	A-3	T
2,3	12	Brake Assembly RS	1 Hook	A-4	T
2,3	13	Brake Assembly T	1 Hook	A-4	T
2,3	14	Arm Assembly Tension	2 Hook	A-4	T
2,3,12,13, 14	15	Reel S/Reel T		A-4	T
	16	Base Assembly P4	Chassis Embossing	A-5	T
	17	Opener Lid	Chassis Embossing	A-5	T
17	18	Arm Assembly Pinch	Shaft	A-5	T
17	19	Lever T/Up / Arm T/Up	1 Hook	A-5	T
17,18	20	Belt Capstan/Motor Capstan	3 Screw	A-6	B
	21	Lever F/R	Locking Tab	A-6	B
20, 21	22	Clutch Assembly D35	Washer	A-6	B
	23	Break Assembly Capstan	Locking Tab	A-6	B
	24	Gear Drive/Gear Cam	Washer/Hook	A-7	B
	25	Gear Sector	1 Hook	A-7	B
20,21,23, 24,25	26	Plate Slider	Shaft Guide	A-7	B
20,21,23, 24,25,26	27	Lever Tension	1 Hook	A-7	B
2,3,14,20, 21,25,23, 24,26	28	Lever Spring	Locking Tab	A7	B
25	29	Gear Assembly P2/Gear Assembly P3	Boss	A-8	B
2,3,14,25, 29	30	Base Assembly P2/Base Assembly P3	Chassis Slot	A-8	B
2,3,14,25, 29	31	Base Loading	1 Screw	A-9	T
2,3,14	32	Base Tension	Chassis Embossing	A-9	B
2,3,20,21, 22	33	Arm Assembly Idler	Locking Tab	A-9	T

R: Top, B:Bottom

NOTE : When reassembly perform the procedure in the reverse order.

1) When reassembling, confirm Mechanism and Mode Switch Alignment Position (Pefer to Page 4-14)
2) When disassembling, the Parts for Starting No. Should be removed first.

DECK MECHANISM DISASSEMBLY

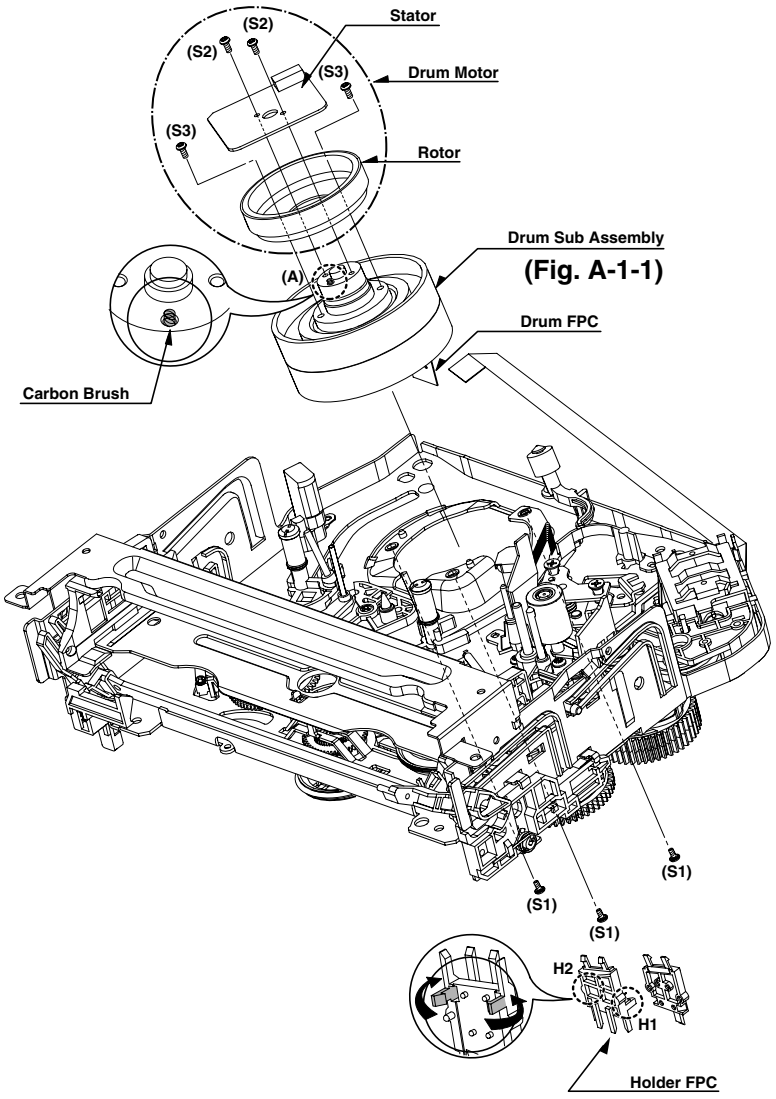


Fig. A-1

1. Drum Assembly (Fig. A-1-1)

1) Unplug the Drum FPC Connector.
2) Remove three Screws(S1) on bottom side and separate the Drum assembly.
3) Unhook (H1), (H2) and separate the Holder FPC and Cap FPC.

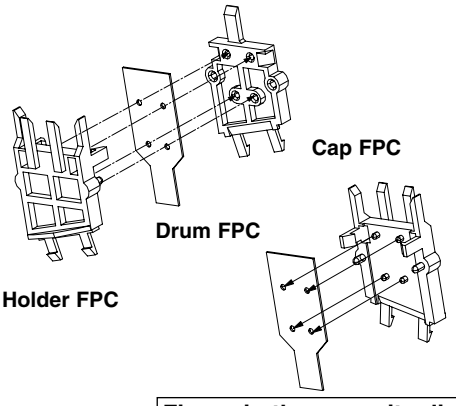
1-1. Drum Motor

1) Remove two Screws(S2) and disassemble the Stator of the Drum Motor.
(2) Remove two Screws(S3) and separate the Rotor of the

NOTE

Drum Motor from the Drum Sub assembly.
When reassembling, confirm (A) portion of the Drum Sub assembly whether the Carbon Brush is in there or not.

(Fig. B-1)



DECK MECHANISM DISASSEMBLY

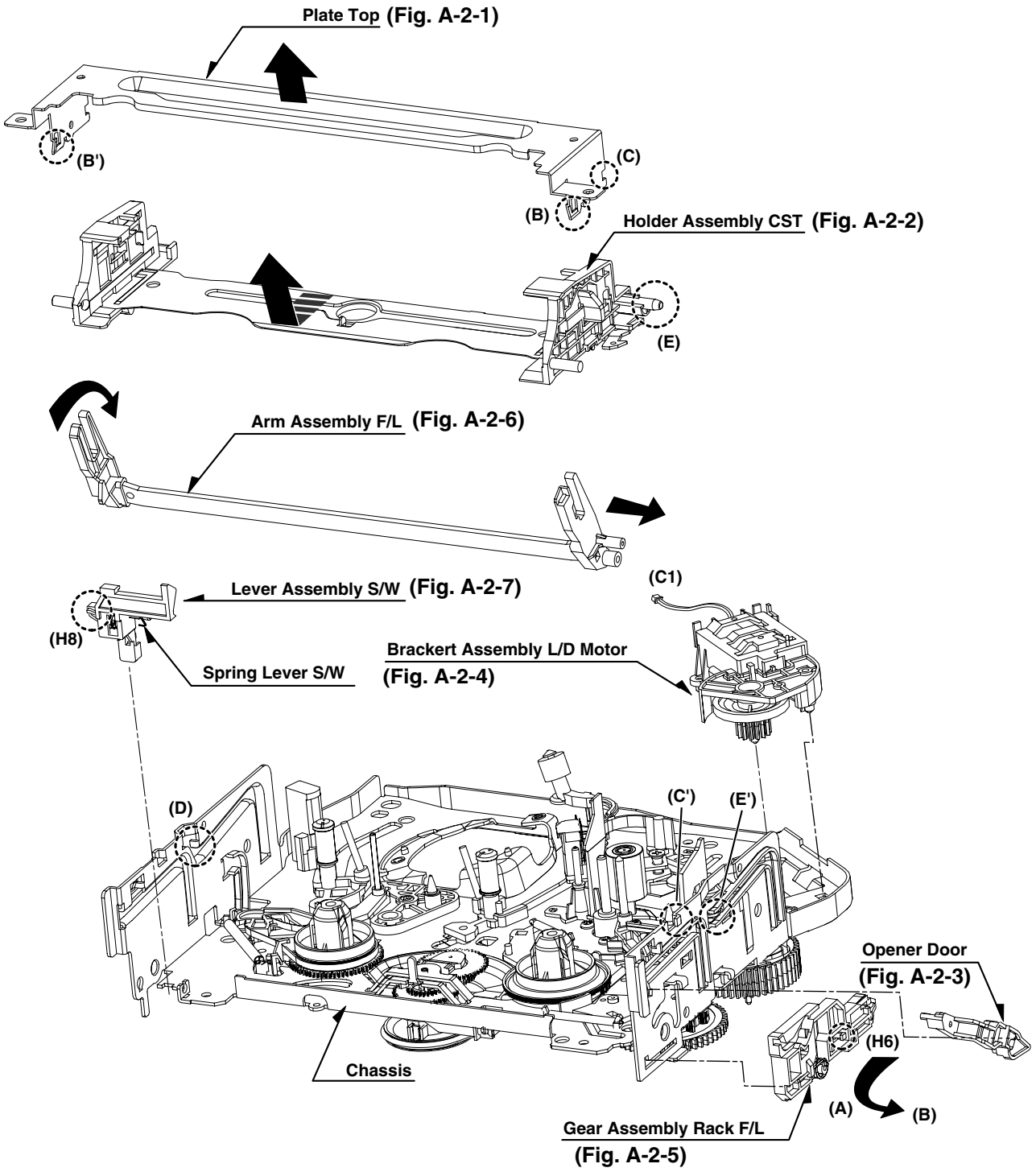


Fig. A-2

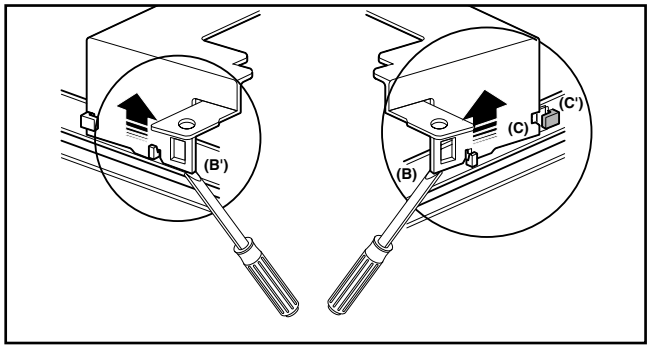
DECK MECHANISM DISASSEMBLY

2. Plate Top (Fig. A-2-1)

1) Pull the (B) portion of the Plate Top back in direction of arrow and separate the right side of it.
2) pull the (B') portion of the Plate Top back in direction of arrow and separate the left side of it.
   (Used tools : (-) type Drive, anything tool with sharp point or flat point.)

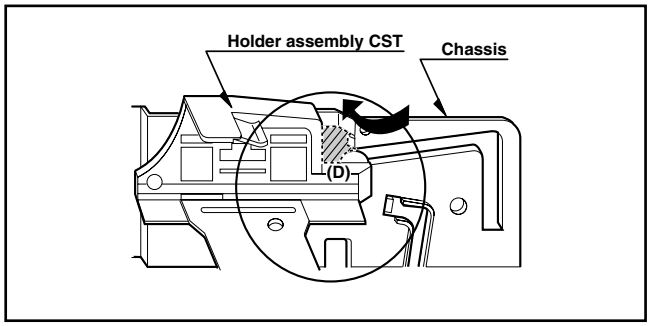
NOTE

(1) When reassembling, push the Plate Top after alignment the two position(C), (C') as Fig.



3. Holder Assembly CST (Fig.A-2-2)

1) Move the Holder assembly CST in direction of arrow and separate the left side of it first through the (D) position of the Chassis.



2) Disassemble the right side of the Holder assembly CST from each guided hole of the Chassis.

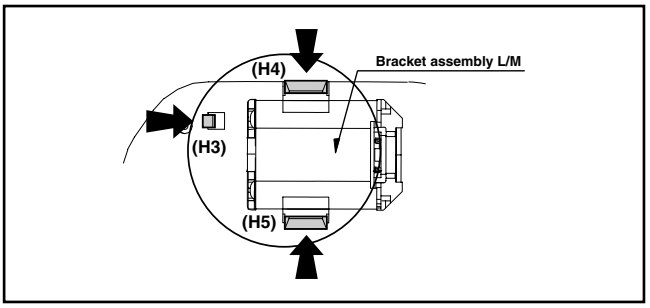
NOTE

When reassembling, insert the (E) part of the Holder assembly CST in the (E') hole of the Chassis
first and assemble the left side of it.

4. Opener Door (Fig.A-2-3)

5. Bracket assembly L/D Motor(Fig. A-2-4)

1) Unplug the Connector(C1).
2) Unhook three Hooks(H3,H4,H5) on bottom side of the Chassis, lift up the Bracket assembly L/M and disassemble the Bracket assembly L/D Motor.

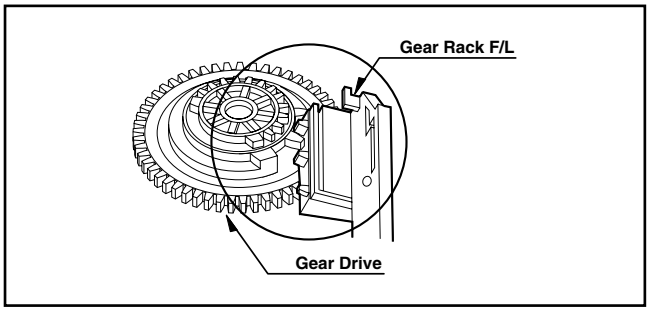


6. Gear Assembly Rack F/L (Fig. A-2-5)

1) Move the Gear Assembly Rack F/L in direction of arrow(A) and unhook the Hook(H6) pulling back in front.
2) Separate the Rear Rack F/L in direction of arrow(B).

NOTE

When reassembling, align the Gear part of the Gear Assembly Rack F/L with the Gear Drive as below Fig.

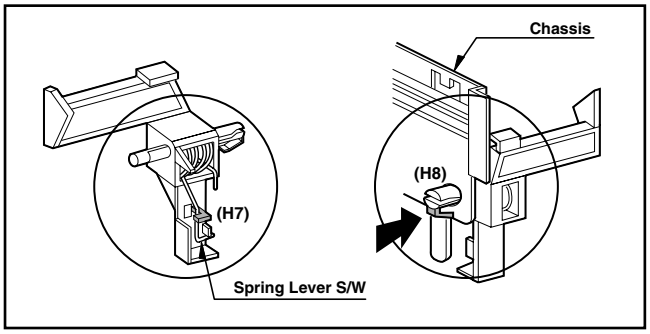


7. Arm assembly F/L (Fig. A-2-6)

1) Move the Arm assembly F/L in direction of arrow and separate the left side of it first.
2) Disassemble the Arm assembly F/L from each guided Hole of the Chassis.

8. Lever assembly S/W(Fig. A-2-7)

1) Hook the Spring Lever S/W on the Hook(H7) first as below Fig.
2) Unhook the Hook(H8) in the left side of the Chassis and move the Lever assembly S/W.



DECK MECHANISM DISASSEMBLY

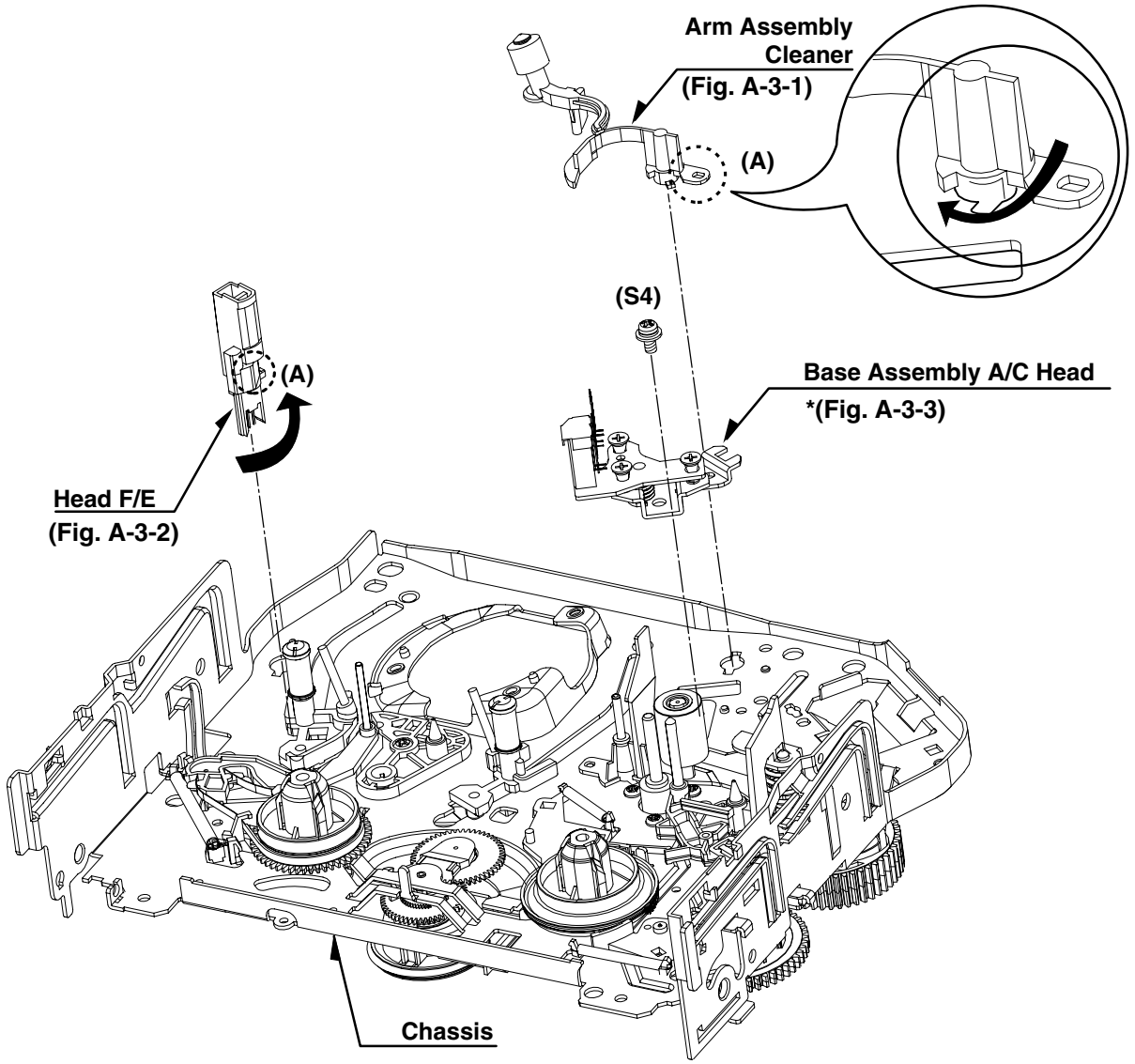


Fig. A-3

9. Arm assembly Cleaner (Fig. A-3-1)

1) Breakaway the (A) portion as Fig. A-3-1 from the Embossing of the Chassis, turn the Arm assembly Cleaner to clockwise direction and lift it up.

10. Head F/E (Fig. A-3-2)

1) Breakaway the (A) portion of the Head F/E from the Embossing of the Chassis, turn it to counterclockwise direction and lift it up.

11. Base assembly A/C Head (Fig. A-3-3)

1) Remove the Screw(S4) and lift the Base assembly A/C Head up.

DECK MECHANISM DISASSEMBLY

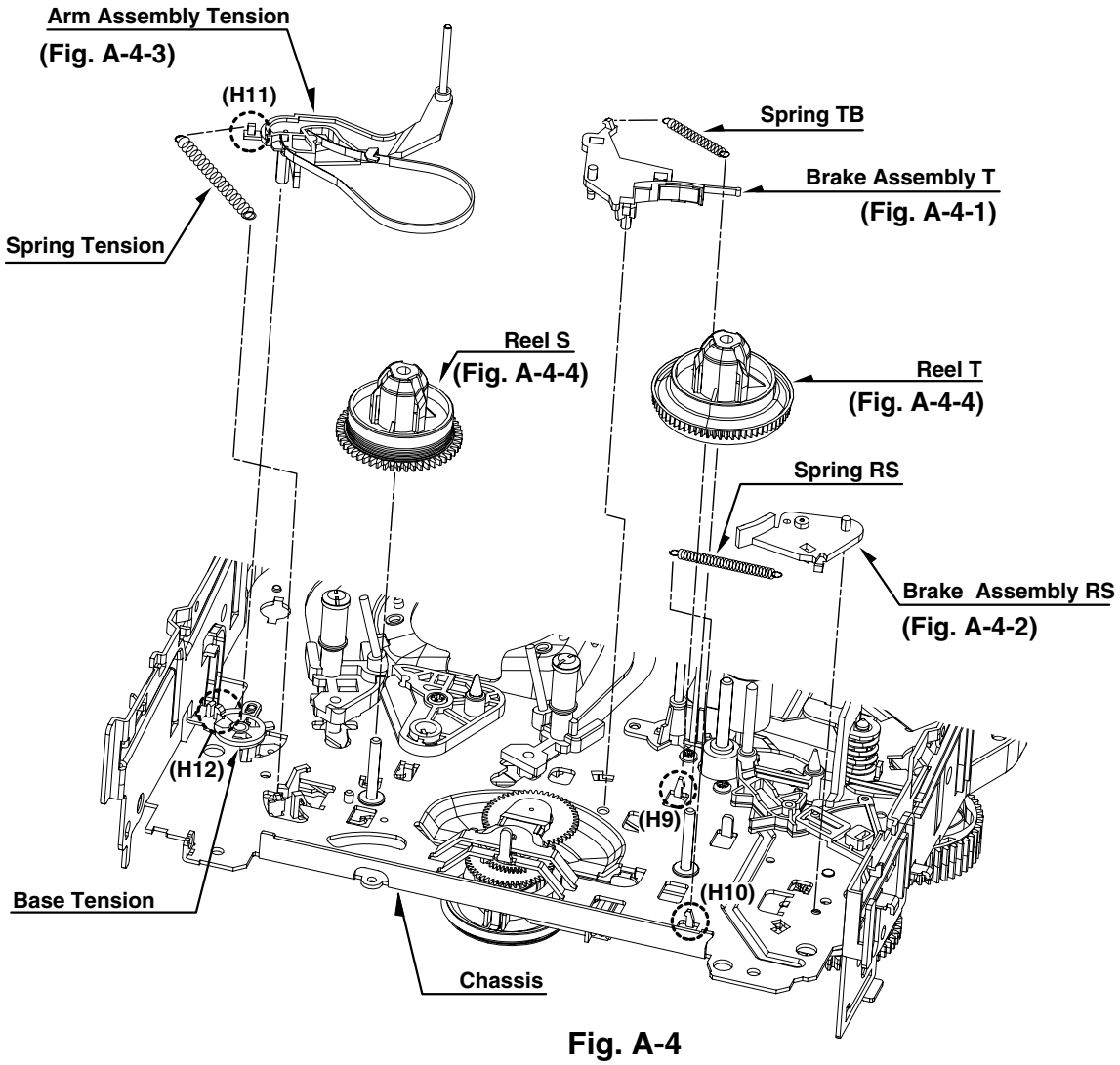


Fig. A-4

12. Brake assembly T (Fig. A-4-1)

1) Unhook the Spring TB from the Hook(H9) of the Chassis.
2) Lift the Brake assembly T up.

13. Brake assembly RS (Fig. A-4-2)

1) Unhook the Spring RS from the Hook(H10) of the Chassis..
2) Lift the Brake assembly T up.

14. Arm assembly Tension (Fig. A-4-3)

1) Unhook the Spring Tension from the Hook(H11) of the Arm assembly tension.
2) Unhook the Hook(H12) of the Base Tension and lift the Arm assembly Tension up.

NOTE

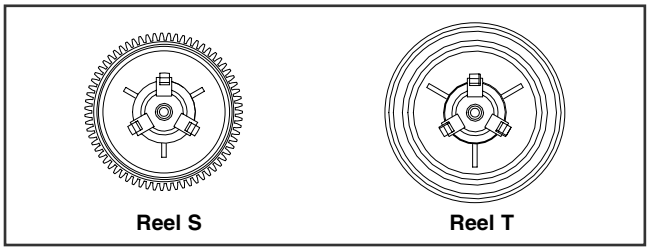
Difference for Springs

(Difference for Springs)

	Spring TB	
	Spring RS	**Color (Black)**
	Spring Tension	

15. Reel S / Reel T (Fig. A-4-4)

1) Difference for Reel S / Reel T



DECK MECHANISM DISASSEMBLY

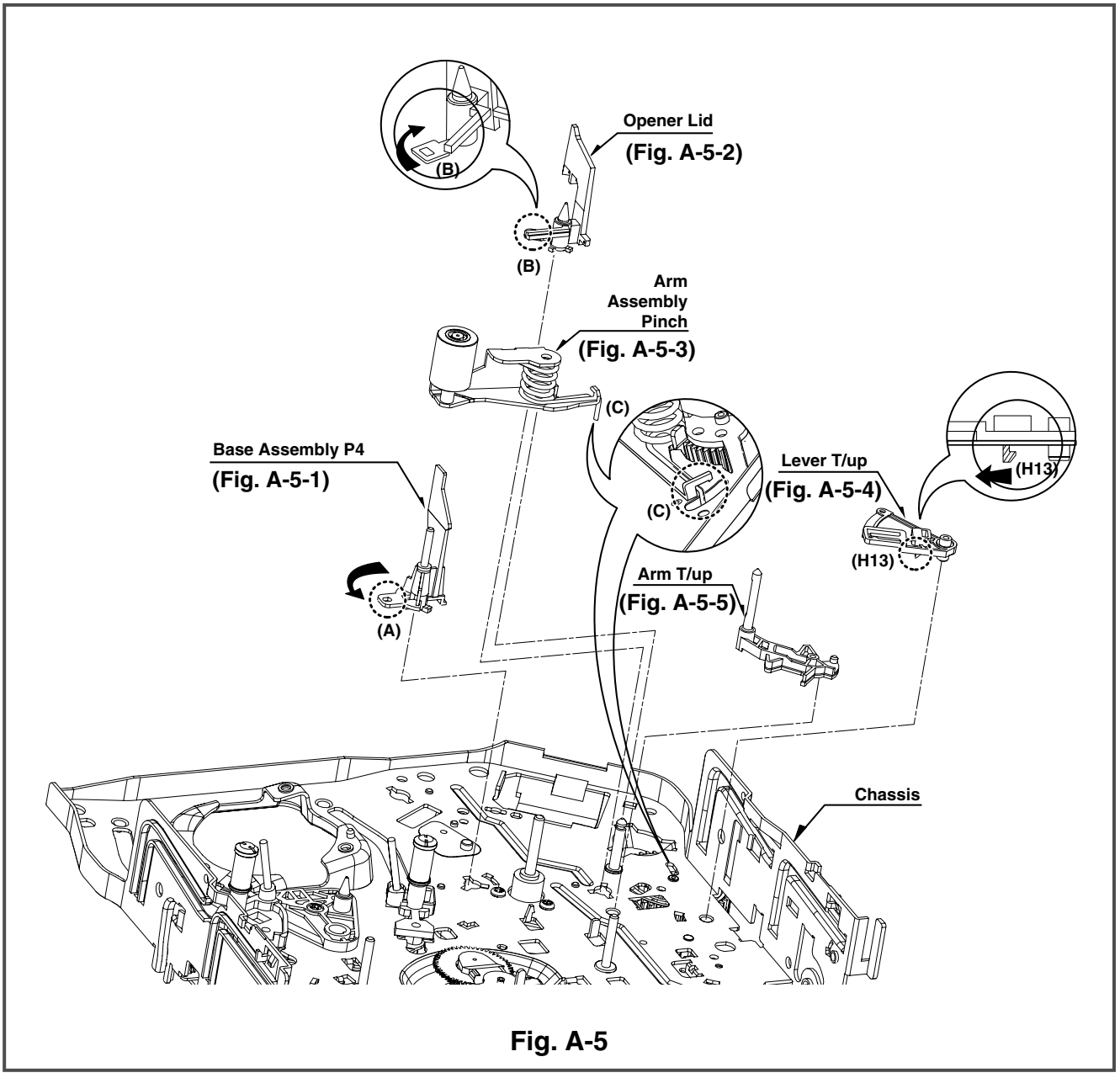


Fig. A-5

16. Base assembly P4 (Fig. A-5-1)

1) Breakaway the (A) portion of the Base assembly P4 from the Embossing of the Chassis.
2) Turn the Base assembly P4 to counterclockwise direction and lift it up.

17. Opener Lid (Fig. A-5-2)

1) Breakaway the (B) portion of the Opener Lid from the Embossing of the Chassis.
2) Turn the Opener Lid to clockwise direction and lift it up.

18. Arm assembly Pinch (Fig. A-5-3)

1) Lift the Arm assembly Pinch up.

19. Lever T/up (Fig. A-5-4)/ Arm T/up (Fig. A-5-5)

1) Unhook the Hook(H13) of the bottom Chassis and lift the Lever T/up up.
2) Lift the Arm T/up up.

NOTE

When reassembling, confirm the (C) portion of the Arm assembly Pinch is inserted to the Chassis Hole correctly as Fig.

Place the Mechanism face down, or up side down.

DECK MECHANISM DISASSEMBLY

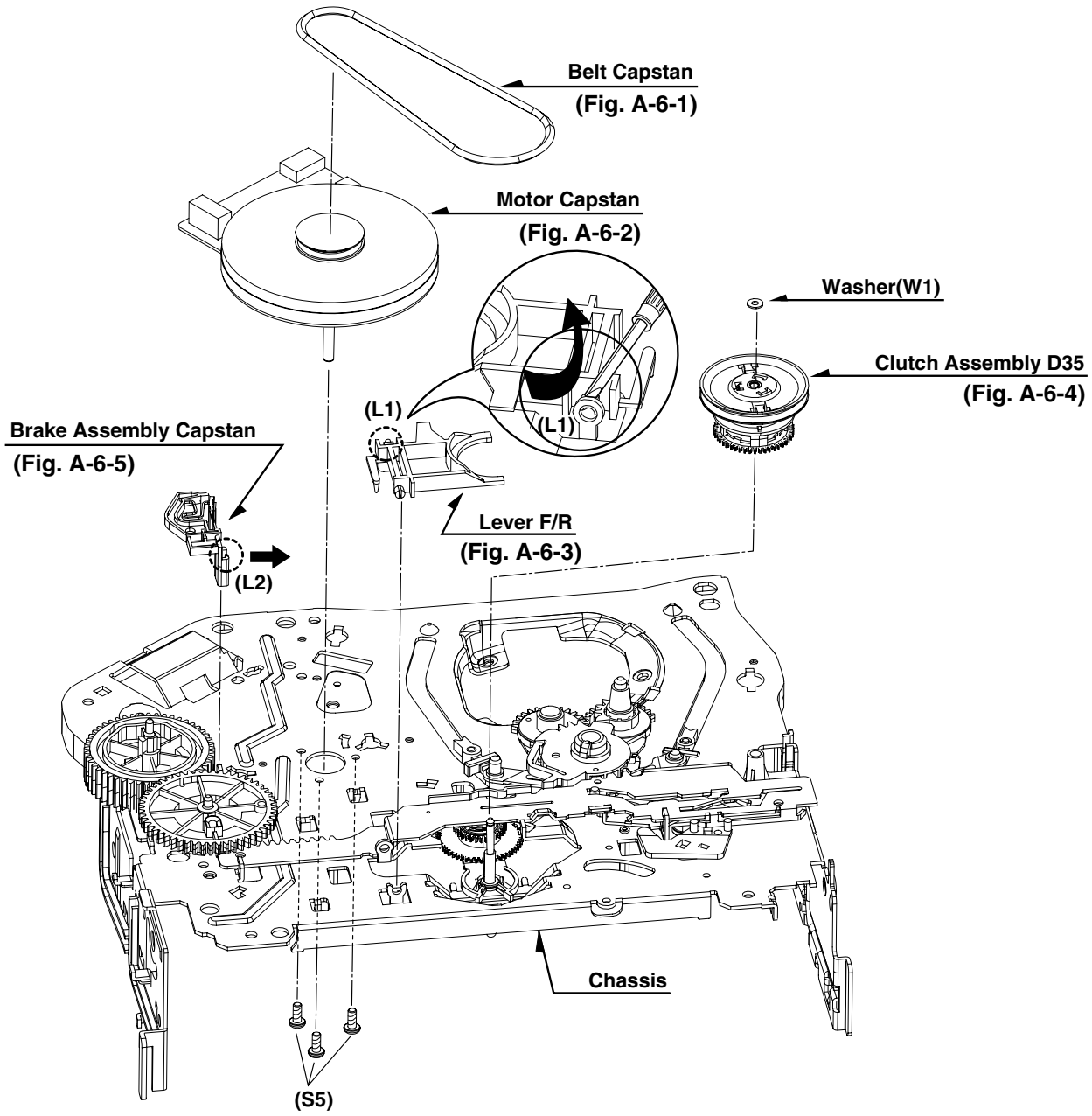


Fig. A-6

20. Belt Capstan (Fig. A-6-1)/ Motor Capstan (Fig. A-6-2)

1) Remove the Belt Capstan.
2) Remove the three Screws(S5) on bottom Chassis and lift the Motor Capstan up.

21. Lever F/R (Fig. A-6-3)

1) Unlock the Locking Tab(L1) as Fig. A-6-3 and lift the Lever F/R up.

22. Clutch assembly D35 (Fig. A-6-4)

1) Remove the Washer(W1) and lift the Clutch assembly D35 up.

23. Brake assembly Capstan (Fig. A-6-5)

1) Pull the Locking Tab(L2) back in direction of arrow and lift it up.

DECK MECHANISM DISASSEMBLY

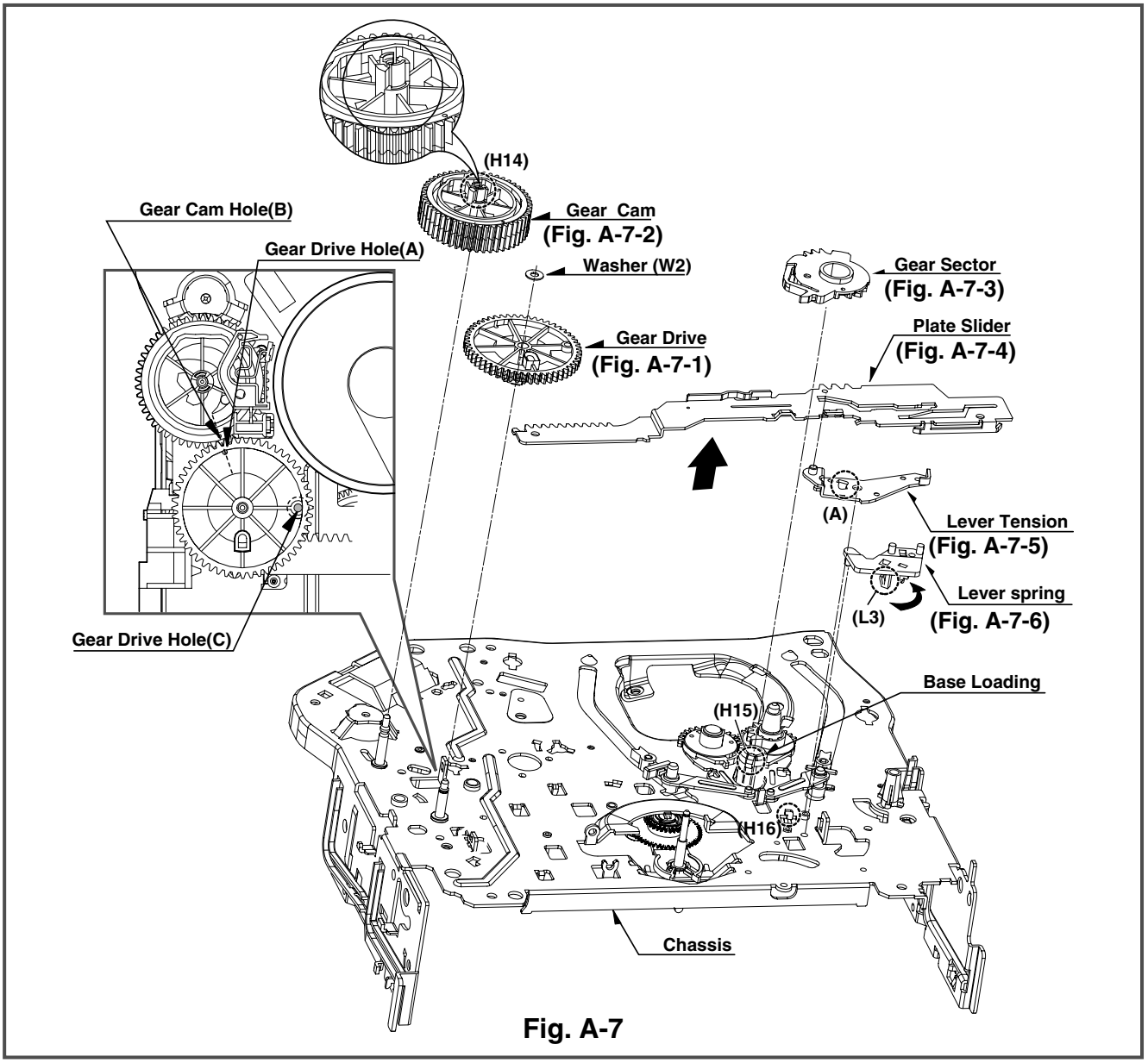


Fig. A-7

24. Gear Drive (Fig. A-7-1)/ Gear Cam (Fig. A-7-2)

1) Remove the Washer(W2) and lift the Gear Drive up.
2) Unhook the Hook(H14) of the Gear Cam and lift the Gear Cam up.

NOTE

When reassembling, align the Gear Drive Hole(A) and the Gear Cam Hole(B) in a straight line after the Gear Drive Hole(C) is aligned with the Chassis Hole as Fig.

25. Gear Sector (Fig. A-7-3)

1) Unhook the Hook(H15) of the Base Loading on bottom Chassis and lift the Gear Sector up.

26. Plate Slider (Fig. A-7-4)

1) Just lift the Plate Slider up.

27. Lever Tension (Fig. A-7-5)

1) Unhook the (A) portion of the Lever Tension from the Hook(H16) of the Chassis.
2) Turn the Lever Tension to counterclockwise direction and lift it up.

28. Lever Spring (Fig. A-7-6)

1) Unlock the Locking Tab(L3) of the bottom Chassis and lift the Lever Spring up.

DECK MECHANISM DISASSEMBLY

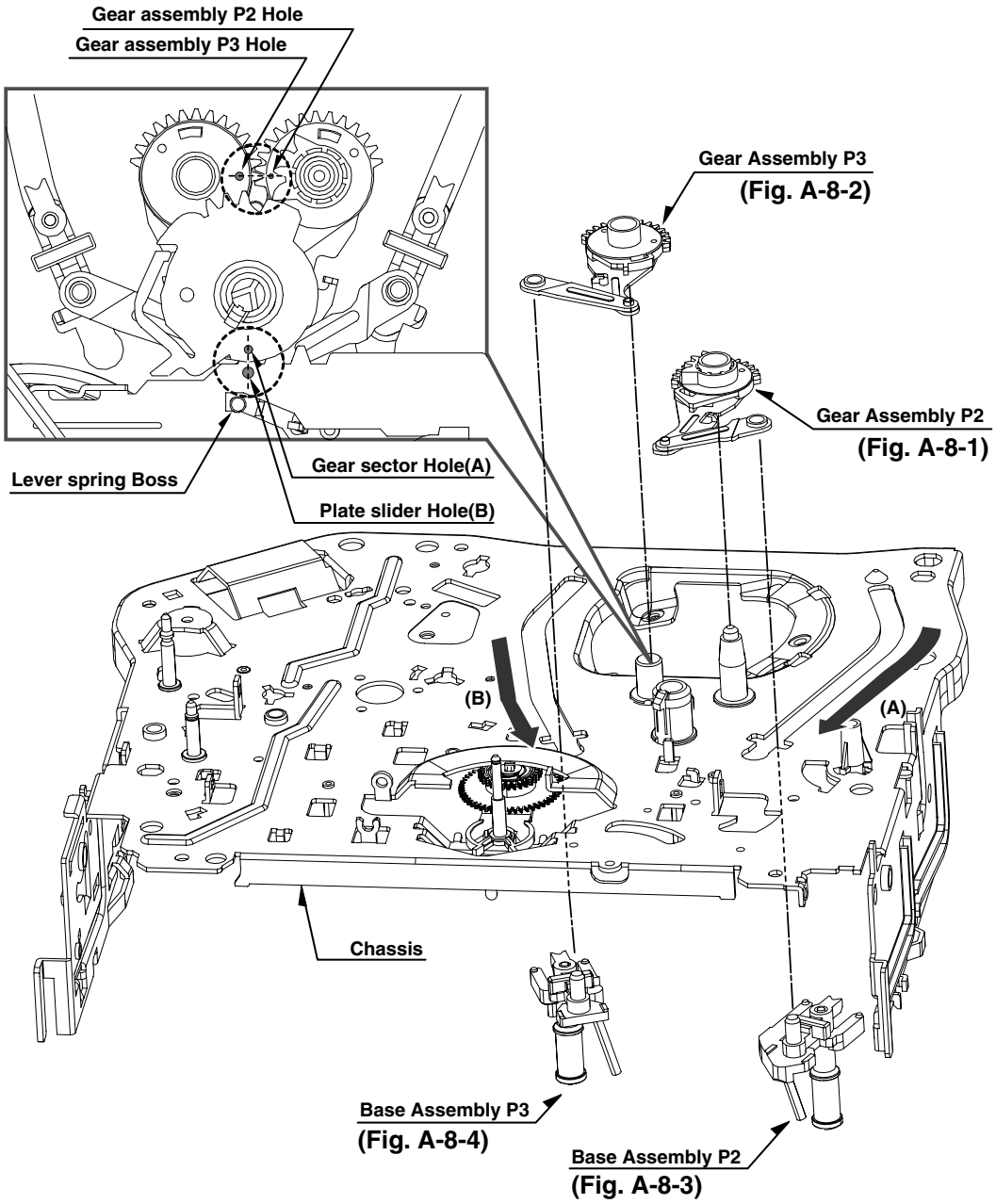


Fig. A-8

29. Gear assembly P2 (Fig. A-8-1)/ Gear assembly P3 (Fig. A-8-2)/

1) Just lift the Gear assembly P2 up.
2) Just lift the Gear assembly P3 up.

NOTE

When reassembling, align the two Holes of the Gear assembly P2 and P3 in a straight line after confirmation whether the Gear Sector Hole(A) and the Plate Slider Hole(B) are aligned or not as Fig.

30. Base assembly P2 (Fig. A-8-3)/ Base assembly P3 (Fig. A-8-4)

1) Move the Base assembly P2 in direction of arrow(A) along the Guided Hole of the Chassis and disassemble it on bottom side.
2) Move the Base assembly P3 in direction of arrow(B) along the Guided Hole of the Chassis and disassemble it on bottom side.

Place the Mechanism face down, or return to original position.

DECK MECHANISM DISASSEMBLY

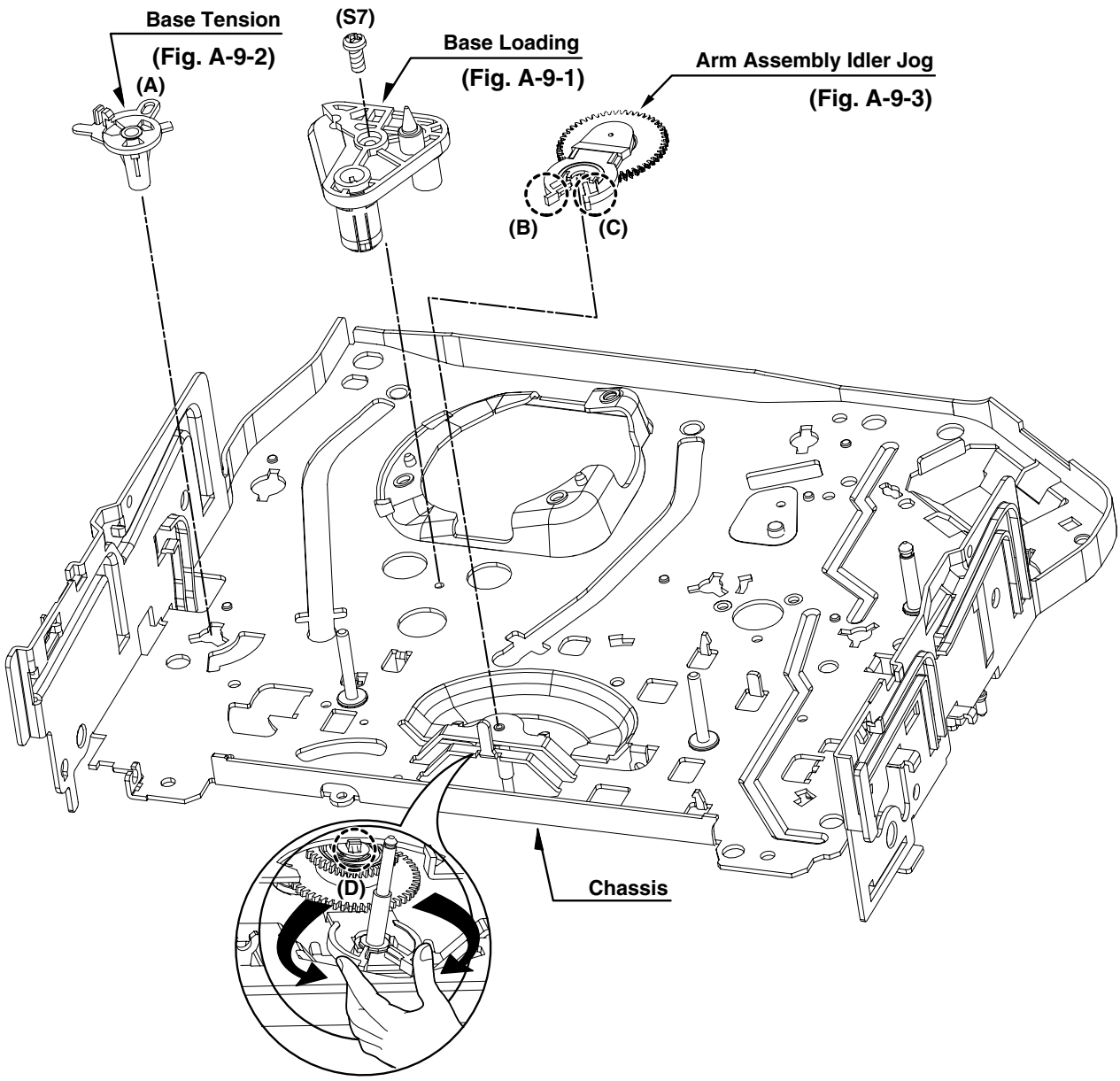


Fig. A-9

31. Base Loading (Fig. A-9-1)

1) Remove the Screw(S7).
2) Lift the Base Loading up.

32. Base Tension (Fig. A-9-2)

1) Breakaway the (A) portion of the Base Tension from the Embossing of the Chassis.
2) Turn the Base Tension to counterclockwise direction and lift it up.

33. Arm assembly Idler Jog(Fig. A-9-3)

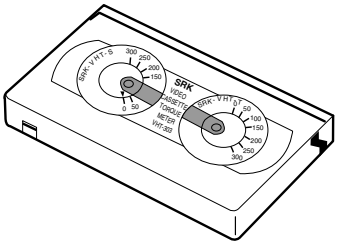
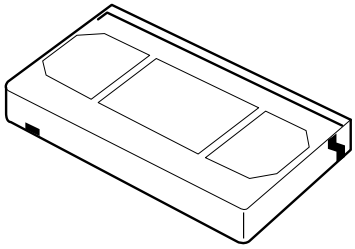
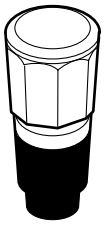
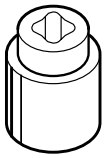
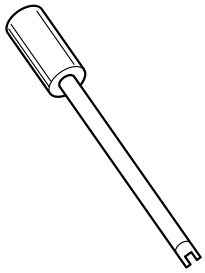
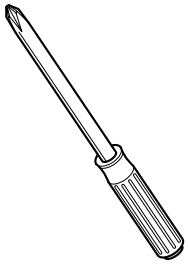
1) Make narrower the two parts, (A) and (B), as Fig. A-9-3.
2) Lift the Arm assembly Idler up.

NOTE

When disassembling, be careful not to be caught the (D) part by the Chassis as Fig.

DECK MECHANISM DISASSEMBLY

• Tools and Fixfures for Service

1. Cassette Torque meter **SRK-VHT-303(Not SVC part)** **Parts No: D00-D006** 	**2. Alignment tape** **Parts No NTSC: DTN-001** **PAL:DTN-0002** 	**3. Torque gauge** **600g.Cm ATG** **Parts No:D00-D002** 
4. Torque gauge adaptor **Parts No:D09-R001** 	**5. Post height adjusting driver** **Parts No:DTL-0005** 	**6. + Type driver (ø 5)** 

DECK MECHANISM ADJUSTMENT

1.Mechanism Alignment Position Check

Purpose:To determine if the Mechanism is in the correct position, when a Tape is ejected.

Test Equipment/ Fixture	Test Conditions (Mechanism Condition)	Check Point
• Blank tape	• Eject Mode (with Cassette ejected)	• Mechanism and Mode Switch Position

1) Turn the Power S/W on and eject the Cassette by pressing the Eject Button.
2) Remove the Top Cover and Plate Assembly Top, visually check if the Gear Cam Hole is aligned with the Chassis Hole as below Fig. C-2.
3) IF not, rotate the Shaft of the Loading Motor to either Clockwise or Counterclockwise until the Alignment is as below Fig. C-2.
4) Remove the Screw which fixes the Deck Mechanism and Main Frame and confirm if the Gear Cam is aligned with the Gear Drive as below Fig. C-1(A).
5) Confirm if the Mode S/W on the Main P.C.Board is aligned as below Fig. C-1(B).
6) Remount the Deck Mechanism on the Main P.C.Board and check each operation.

CHECK DIAGRAM

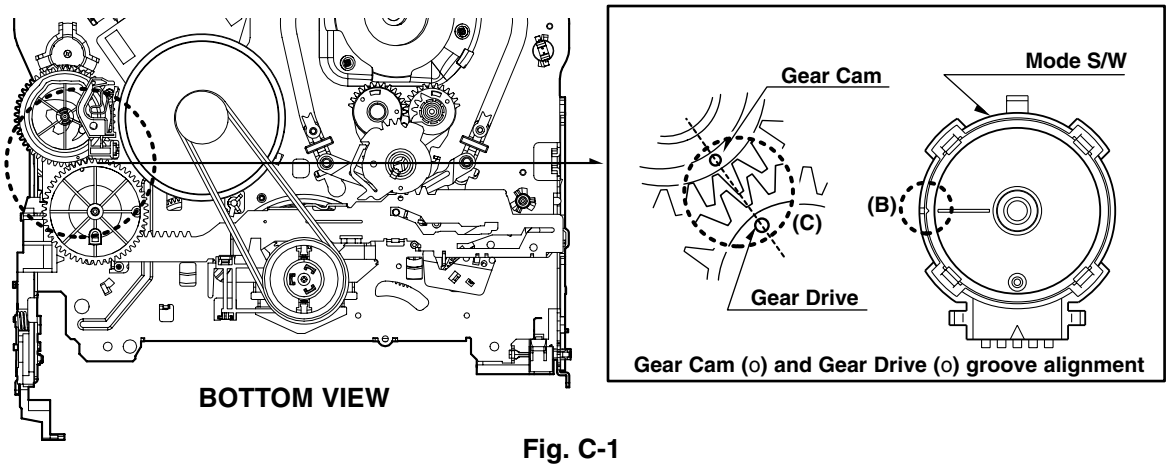


Fig. C-1

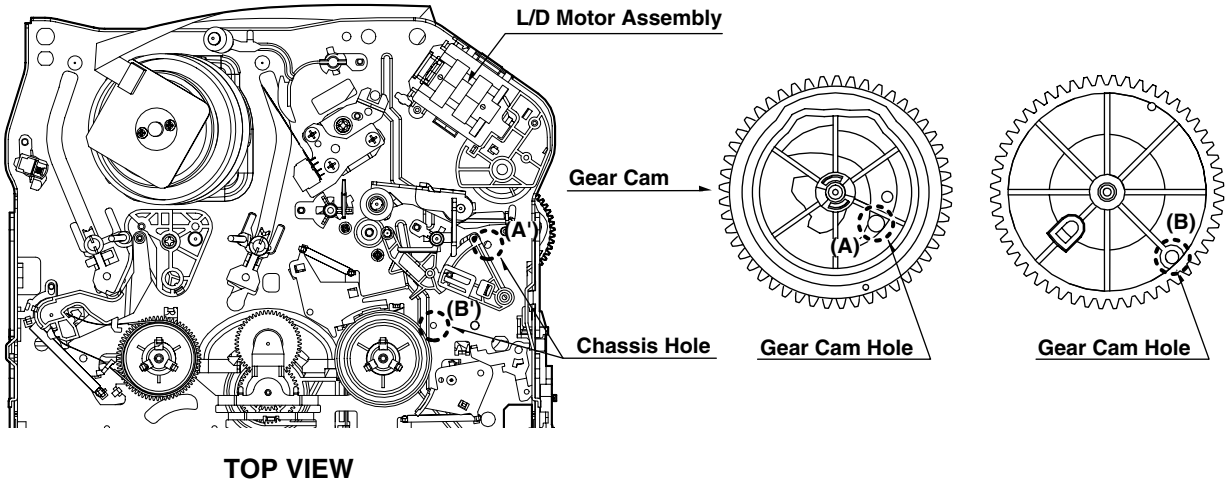


Fig. C-2

DECK MECHANISM ADJUSTMENT

2. Preparation for Adjustment (To set the Deck Mechanism to the Loading state without inserting a Cassette Tape).

1) Unplug the Power Cord from the AC Outlet.
2) Disassemble the Top Cover and Plate Assembly Top.
3) Plug the Power Cord into the AC Outlet.
4) Turn the Power S/W on and push the Lever Stopper of the Holder Assembly CST to the back for Loading the Cassette without Tape.
   Cover the Holes of the End Sensors at the both sides of the Bracket Side(L) and Bracket Assembly Door to prevent a light leak.
   Then The Deck Mechanism drives to the Stop Mode.
   In this case, The Deck Mechanism can accept inputs of each mode, however the Rewind and Review Operation can not be performed for more than a few seconds because the Take-up Reel Table is in the Stop State and can not be detected the Reel Pulses.

3. Checking Torque

Purpose: To insure smooth Transport of the Tape during each Mode of Operation.
If the Tape Transport is abnormal, then check the Torque as indicated by the chart below.

Test Equipment/ Fixture	Test Conditions (Mechanism Condition)	Checking Method
• Torque Gauge(600g/cm ATG) • Torque Gauge Adaptor • Cassette Torque Meter SRK-VHT-303	• Play (FF) or Review (REW) Mode	• Perform each Deck Mechanism Mode without inserting a Cassette Tape(Refer to above No.2 Preparation for Adjustment). • Read the Measurement of the Take-up or Supply Reels on the Cassette Torque Meter(Fig. C-3-2). • Attach the Torque Gauge Adaptor to the Torque Gauge and then read the Value of it(Fig. C-3-1).

Item	Mode	Test Equipment	Measurement Reel	Measurement Values
Fast Forward Torque	Fast Forward	Cassette Torque Gauge	Take-Up Reel	More than 400g/cm
Rewind Torque	Rewind	Cassette Torque Gauge	Supply Reel	More than 400g/cm
Play Take-Up Torque	Play	Cassette Torque Meter	Take-Up Reel	40~100g/cm
Review Torque	Review	Cassette Torque Meter	Supply Reel	120~210g/cm

NOTE:

The Values are measured by using a Torque Gauge and Torque Gauge Adaptor with the Torque Gauge affixed.

• Cassette Torque Meter (SRK-VHT-303)

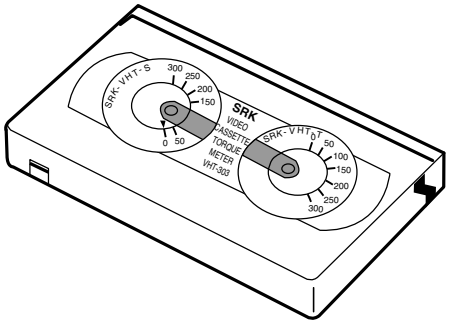


Fig. C-3-2

NOTE:

The Torque reading to measure occurs when the Tape abruptly changes direction from Fast Forward of Rewind Mode, when quick bracking is applied to both Reels.

• Torque Gauge (600g.cm ATG)

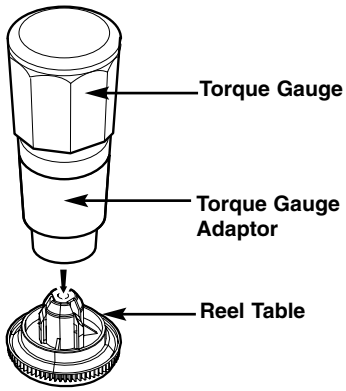


Fig. C-3-1

DECK MECHANISM ADJUSTMENT

4.Guide Roller Height Adjustment

Purpose: To regulate the Height of the Tape so that the Bottom of the Tape runs along the Tape Guide Line on the Lower Drum.

4-1. Preliminary Adjustment

Test Equipment/ Fixture	Test Conditions (Mechanism Condition)	Adjustment Point
• Post Height Adjusting Driver	• Play or Review Mode	• Guide Roller Height Adjustment screws on the Supply and Take-Up Guide Rollers.

Adjustment Procedure

1) Confirm if the Tape runs along the Tape Guide Line of the Lower Drum.
2) If the Tape runs the Bottom of the Guide Line, turn the Guide Roller Height Adjustment Screw to Clockwise direction.
3) If it runs the Top, turn to Counterclockwise direction.
4) Adjust the Height of the Guide Roller to be guided to the Guide Line of the Lower Drum from the Starting and Ending Point of the Drum.

ADJUSTMENT DIAGRAM

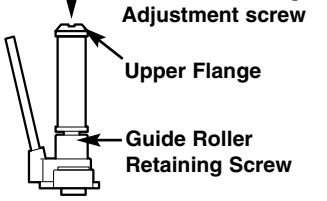


Fig. C-4-1

4-2. Precise Adjustment

Test Equipment/Fixture	Test Equipment Connection Points	Test Conditions VCR(VCP) State	Adjustment Point
• Oscilloscope • Alignment Tape • Post Height Adjusting Driver	• CH-1:PB RF Envelope • CH-2:NTSC: SW 30Hz PAL: SW 25Hz • Head Switching Output Point • RF Envelope Output Point	• Play an Alignment Tape	• Guide Roller Height Adjustment Screws

Adjustment Procedure

1) Play an Alignment Tape after connecting the Probe of the Oscilloscope to the RF Envelope Output Test Point and Head Switching Output Test Point.
2) Tracking Control(in PB Mode) : Center Position(When this Adjustment is performed after the Drum Assembly has been replaced, set the Tracking Control so that the RF Output is Maximum).
3) Height Adjustment Screw : Flatten the RF Waveform. (Fig. C-4-2)
4) Turn(Move) the Tracking Control(in PB Mode) Clockwise and Counterclockwise.(Fig. C-4-3)
5) Check that any Drop of RF Output is uniform at the Start and End of the Waveform.

NOTE

If the adjustment is excessive or insufficient the tape will jam or fold.

Waveform Diagrams

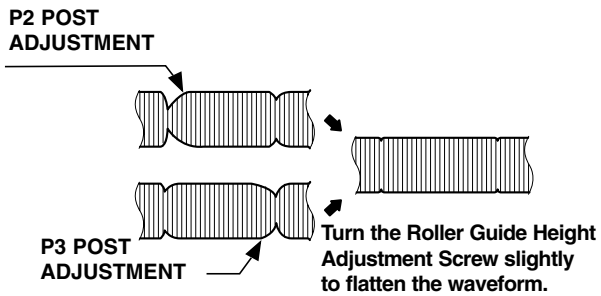


Fig. C-4-2

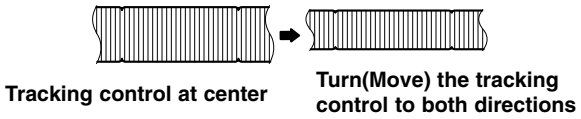
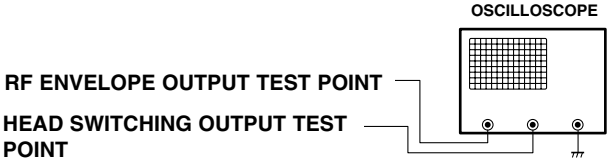


Fig. C-4-3

Connection Diagram



DECK MECHANISM ADJUSTMENT

5. Audio/Control (A/C) Head Adjustment

Purpose: To insure that the Tape passes accurately over the Audio and Control Tracks in exact Alignment in both the Record and Playback Modes.

5-1. Preliminary Adjustment (Height and Tilt Adjustment)
Perform the Preliminary Adjustment, when there is no Audio Output Signal with the Alignment Tape.

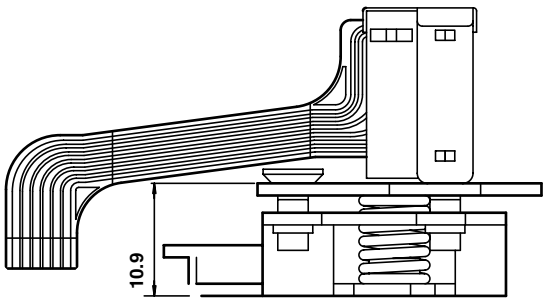
Test Equipment/ Fixture	Test Conditions (Mechanism Condition)	Adjustment Point
• Blank Tape • Screw Driver(+) Type 5mm	• Play the blank tape	• Tilt Adjustment Screw(C) • Height Adjustment Screw(B) • Azimuth Adjustment Screw(A)

Adjustment Procedure/Diagrams

1) Initially adjust the Base Assembly A/C Head as shown Fig. C-5-1 by using the Height Adjustment Screw(B).
2) Play a Blank Tape and observe if the Tape passes accurately over the A/C Head without Tape Curling or Folding.
3) If Folding or Curling is occured then adjust the Tilt Adjustment Screw(C) while the Tape is running to resemble Fig. C-5-3.
4) Reconfirm the Tape Path after Playback about 4~5 seconds.

NOTE

Ideal A/C head height occurs, when the tape runs between 0.2~0.25mm above the bottom edge of the A/C head core.



A/C Head Base

Fig. C-5-1

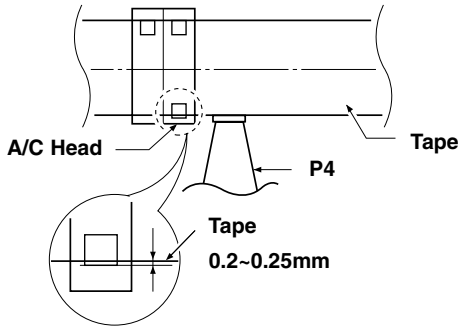
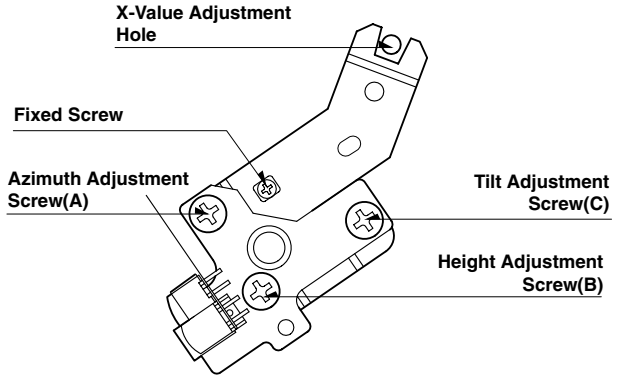


Fig. C-5-3



A/C Head Assembly

Fig. C-5-2

5-2. Confirm that the Tape passes smoothly between the Take-up Guide and Pinch Roller(using a Mirror or the naked eye).

1) After completing Step 5-1.(Preliminary Adjustment), check that the Tape passes around the Take-up Guide and Pinch Roller without Folding or Curling at the Top or Bottom.
   (1) If Folding or Curling is observed at the Bottom of the Take-up Guide then slowly turn the Tilt Adjustment Screw(C) in the Clockwise direction.
   (2) If Folding or Curling is observed at the Top of it then slowly turn the Tilt Adjustment Screw(C) in the Counterclockwise direction.

NOTE:

Check the RF Envelope after adjusting the A/C Head, if the RF Waveform differs from Fig. C-5-4, performs Precise Adjustment to flat the RF Waveform.

5-3. Precise Adjustment (Azimuth adjustment)

Test Equipment/ Fixture	Connection Point	Test Conditions (Mechanism Condition)	Adjustment Point
• Oscilloscope • Alignment Tape(SP) • Screw Driver(+) Type 5mm	• Audio output jack	• Play an Alignment Tape 1KHz, 7KHz Sections	• Azimuth Adjustment Screw(A) • Height Adjustment Screw(B)

Adjustment Procedure

1) Connect the Probe of the Oscilloscope to Audio Output Jack.
2) Alternately adjust the Azimuth Adjustment Screw(A) and the Tilt Adjustment Screw(C) for Maximum Output of the 1Khz and 7Khz segments, while maintaining the flattest Envelope differential between the two Frequencies.

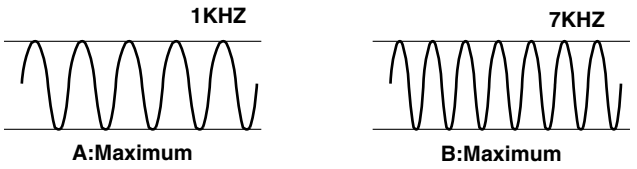
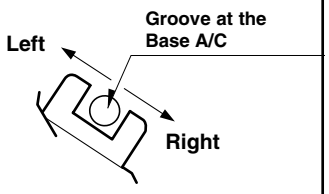


Fig. C-5-4

6. X-Value Adjustment

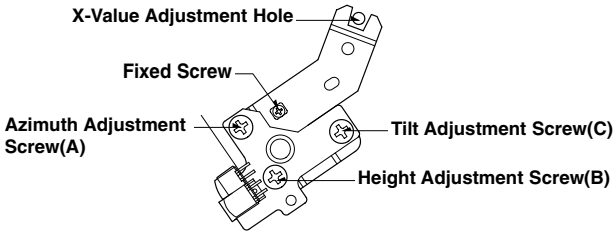
Purpose: To obtain compatibility with other VCR(VCP) Models.

Test Equipment/ Fixture	Connection Point	Test Conditions (Mechanism Condition)	Adjustment Point
• Oscilloscope • Alignment tape(SP only) • Screw Driver(+) Type 5mm	• CH-1: PB RF Envelope • CH-2: NTSC: SW 30Hz PAL: SW 25Hz • Head Switching Output Test Point • RF Envelope Output Test Point	• Play an Alignment Tape	

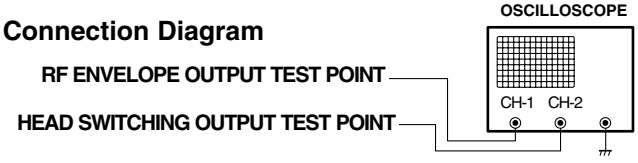
Adjustment Procedure

1) Release the Automatic Tracking to run long enough for Tracking to complete it's Cycle.
2) Loosen the Fixed Mounting Screw and move the Base Assembly A/C Head in the direction as shown in the Diagram to find the center of the peak that allows for the maximum Waveform Envelope.
   This method should allow the 31um Head to be centrally located over the 58um Tape Track.
3) Tighten the Base Assembly A/C Head mounting Screw.

Adjustment Diagram



Connection Diagram



DECK MECHANISM ADJUSTMENT

7. Adjustment after Replacing Drum Assembly (Video Heads)

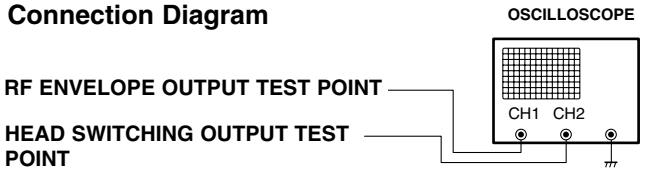
Purpose: To correct for shift in the Roller Guide and X value after replacing the Drum.

Test Equipment/ Fixture	Connection Point	Test Conditions (Mechanism Condition)	Adjustment Points
• Oscilloscope • Alignment tapes • Blank Tape • Post Height Adjusting Driver • Screw Driver(+) Type 5mm	• CH-1: PB RF Envelope • CH-2: NTSC: SW 30Hz PAL: SW 25Hz • Head Switching Output Test Point • RF Envelope Output Test Point	• Play the blank tape • Play an alignment tape	• Guide Roller Precise Adjustment • Switching Point • Tracking Preset • X-Value

Checking/Adjustment Procedure

Play a blank tape and check for tape curling or creasing around the roller guide. If there is a problem then follow the procedure 4. "Guide Roller Height" and 5. "Audio Control(A/C) Head Adjustment".

Connection Diagram



Waveform

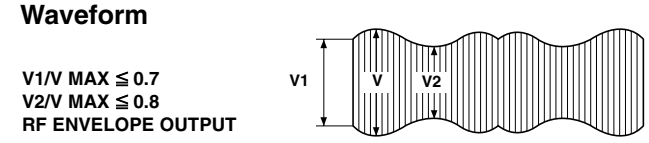


Fig. C-7

8. Check the Tape Travel after Reassembling Deck Assembly.

8-1.Checking Audio and RF Locking Time during playback and after CUE or REV (FF/REW)

Test Equipment/ Fixture	Specification	Connection Points	Test Conditions (Mechanism Condition)
• Oscilloscope • Alignment tapes(with 6H 3kHz Color Bar Signal) • Stop Watch	• RF Locking Time: Less than 5 sec. • Audio Locking Time:Less than 10sec	• CH-1: PB RF Envelope • CH-2: Audio Output • RF Envelope Output Point • Audio Output Jack	• Play an alignment tape (with 6H 3kHz Color Bar Signal)

Checking Procedure

Play an alignment tape then change the operating mode to CUE or REV and confirm if the unit meets the above listed specifications.

NOTES:

1) CUE is fast forward mode (FF)
2) REV is the rewind mode (REW)
3) Referenced to the Play mode

8-2. Checking for tape curling or jamming

Test Equipment/ Fixture	Specification	Test Conditions (Mechanism Condition)
• T-160 Tape • T-120 Tape	• Be sure there is no tape jamming or curling at the begining, middle or end of the tape.	• Run the CUE, REV play mode at the beginning and the end of the tape.

Checking Procedure

1) Confirm that the tape runs smoothly around the roller guides, drum and A/C head assemblies while abruptly changing operating modes from Play to CUE or REV. This is to be checked at the begining, middle and end sections of the cassette.
2) Confirm that the tape passes over the A/C head assembly as indicated by proper audio reproduction and proper tape counter performance.

1 Check before starting repairs

The following faults can be remedied by cleaning and oiling. Check the needed lubrication and the conditions of cleanliness in the unit.
Check with the customer to find out how often the unit is used, and then determine that the unit is ready for inspection and maintenance. Check the following parts.

Phenomenon	Inspection	Replacement	
Color beats	Dirt on full-erase head	o	F/E Head
Poor S/N, no color	Dirt on video head	o	Video Head
Vertical or Horizontal jitter	Dirt on video head Dirt on tape transport system	o	
Low volume, Sound distorted	Dirt on Audio/control head	o	A/C Head
Tape does not run. Tape is slack	Dirt on pinch roller	o	Pinch Roller Belt Capston
In Review and Unloading (off mode), the Tape is rolled up loosely.	Clutch Assembly D33K Torque reduced	o	Clutch Assembly D33K
	Cleaning Drum and transport system	Fig. C-9-3	

NOTE

If locations marked with **o** do not operate normally after cleaning, check for wear and replace.
See the EXPLODED VIEWS at the end of this manual as well as the above illustrations See the Greasing (Page 4-22) for the sections to be lubricated and greased.

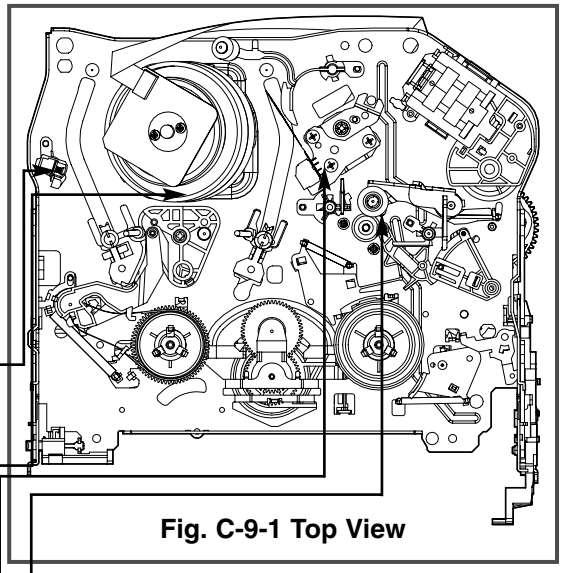


Fig. C-9-1 Top View

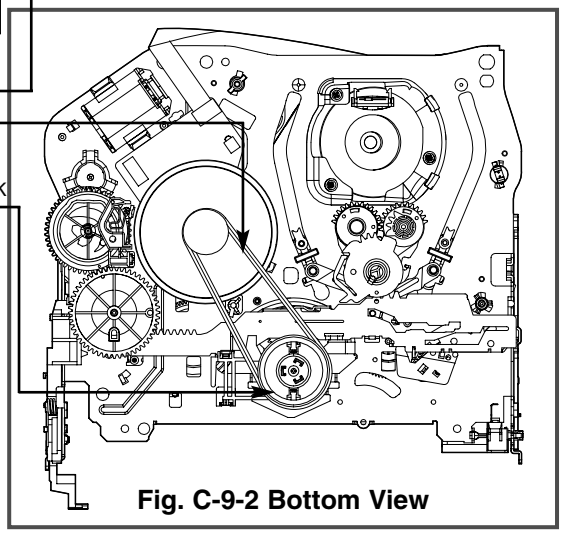


Fig. C-9-2 Bottom View

*** No. (1)~(13) Indicates the Tape Path to be traveled from Supply Reel to Take-up Reel.**

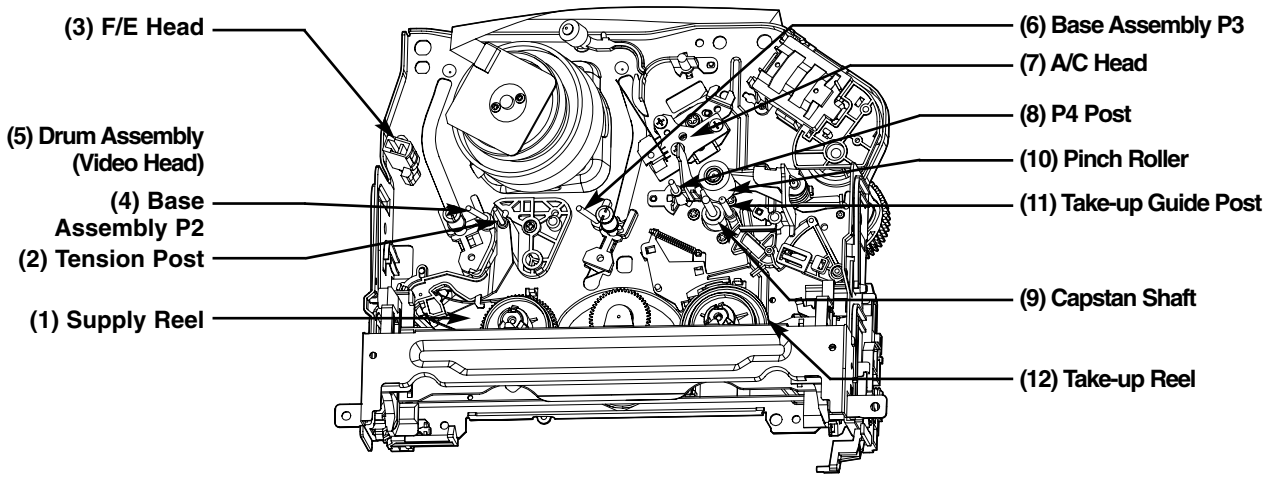


Fig. C-9-3 Tape Transport System

2. Required Maintenance

The recording density of a VCR(VCP) is much higher than that of an audio tape recorder. VCR(VCP) components must be very precise, at tolerances of 1/1000mm, to ensure compatiblity with other VCRs. If any of these components are worn or dirty, the symptoms will be the same as if the part is defective. To ensure a good picture, periodic inspection and maintenance, including replacement of worn out parts and lubrication, is necessary.

3. Scheduled Maintenance

Schedules for maintenance and inspection are not fixed because they vary greatly according to the way in which the customer uses the VCR(VCP), and the environment in which the VCR(VCP) is used.
But, in general home use, a good picture will be maintained if inspection and maintenance is made every 1,000 hours. The table below shows the relation between time used and inspection period.

Table 1

When inspection is necessary / Average hours used per day	About 1 year	About 18 months	About 3 years
One hour	■	■	■
Two hours	■	■	
Three hours	■		

4. Supplies Required for Inspection and Maintence

(1) Grease : Kanto G-311G (Blue) or equivalent
(2) Isopropyl Alcohol or equivalent
(3) Cleaning Patches
(4) Grease : Kanto G-381(Yellow)

5) Maintenance Procedure

5-1) Cleaning

(1) Cleaning video head
First use a cleaning tape. If the dirt on the head is too stubborn to remove by tape, use the cleaning patch. Coat the cleaning patch with Isopropyl Alcohol. Touch the cleaning patch to the head tip and gently turn the head(rotating cylinder) right and left.
(Do not move the cleaning patch vertically. Make sure that only the buckskin on the cleaning patch comes into contact with the head. Otherwise, the head may be damaged.)
Thoroughly dry the head. Then run the test tape. If Isopropyl Alcohol remains on the video head, the tape may be damaged when it comes into contact with the head surface.
(2) Clean the tape transport system and drive system, etc, by wiping with a cleaning patch wetted with Isporopyl Alcohol.

NOTES:

① It is the tape transport system which comes into contact with the running tape. The drive system consists of those parts which moves the tape.
② Make sure that during cleaning you do not touch the tape transport system with the tip of a screw driver and no that force is that would cause deforming or damage applied to the system.

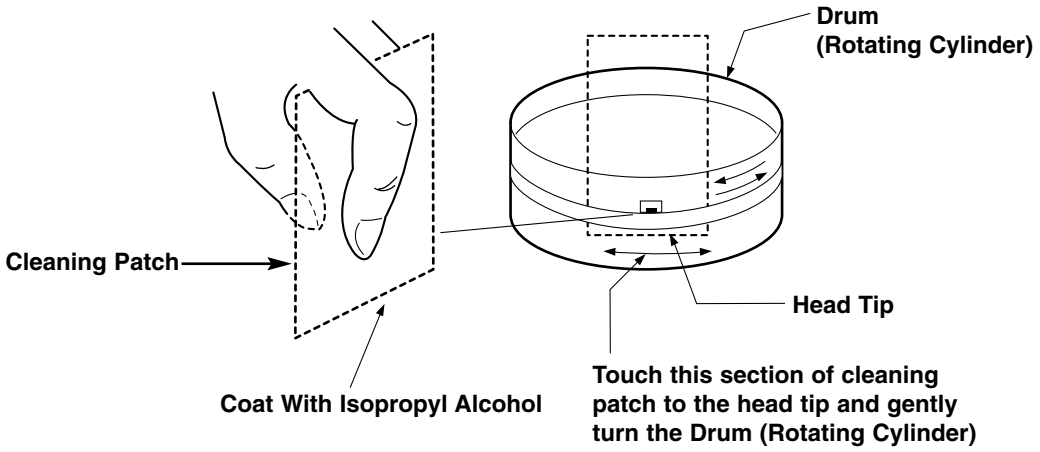

Drum
(Rotating Cylinder)
Cleaning Patch
Head Tip
Coat With Isopropyl Alcohol
Touch this section of cleaning patch to the head tip and gently turn the Drum (Rotating Cylinder)

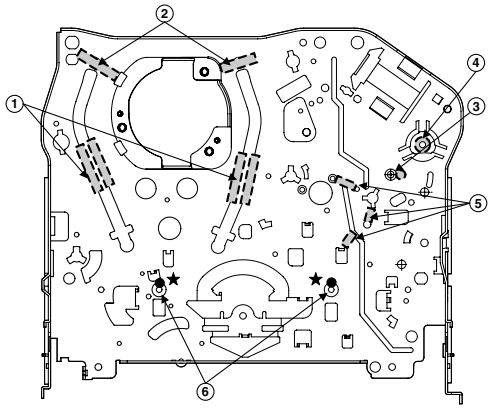
Fig. C-9-4

5-2) Greasing

(1) Greasing guidelines
Apply grease, with a cleaning patch. Do not use excess grease. It may come into contact with the tape transport or drive system. Wipe any excess and clean with clean ing patch wetted in Isopropyl Alcohol.

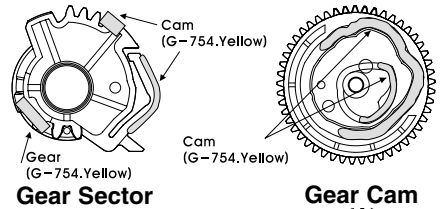
NOTE:Greasing Points

1) Loading Path Inside & Top side
2) Base Tension Boss inside Hole
3) Arm Assembly F/L "U" Groove
4) Arm Take-up Rubbing Section
5) L/D Motor Gear Wheel Part
6) Shaft
7) Arm Assembly F/L of Buming Inside Hole
8) Reel S, T Shaft (G381:Yellow)
9) Brake T Groove

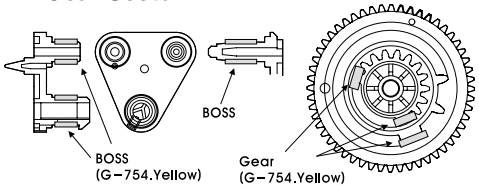


Chassis (Top)

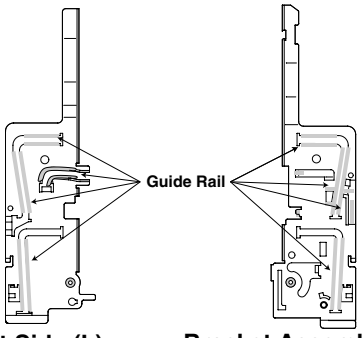
Gear Part



Gear Sector **Gear Cam**



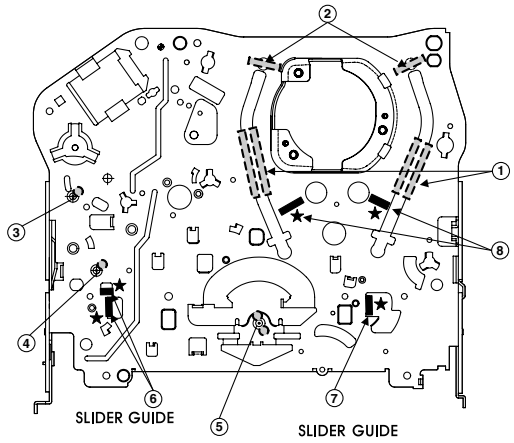
Base Loading **Gear Drive**



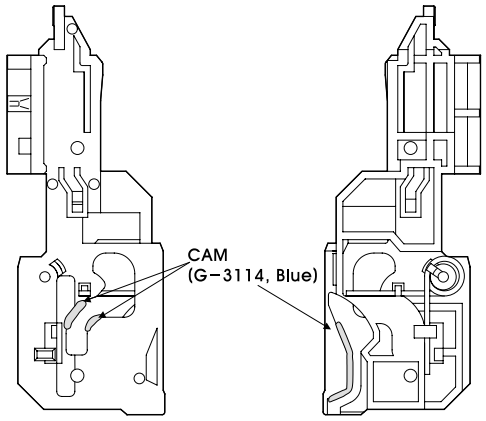
Bracket Side (L) **Bracket Assembly Door**

(2) Periodic greasing
Grease specified locations every 5,000 hours.

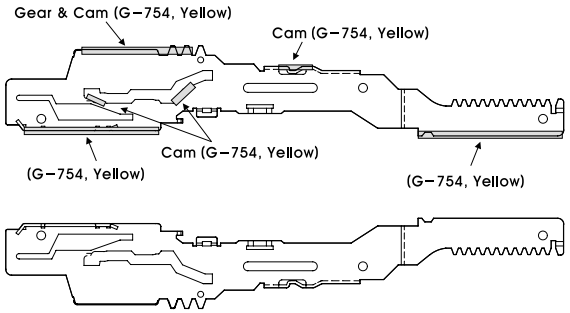
1) Loading Path Inside & Top side
2) Shaft
3) Gear Rack F/L Moving Section
4) Shaft
5) Lever Tension Groove
6) Clutch Assembly D33 Shaft
7) Brake "S" Rubbing Section



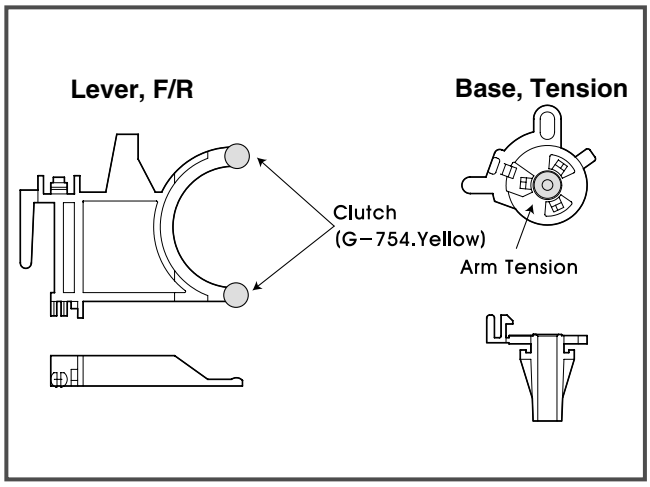
Chassis (Bottom)



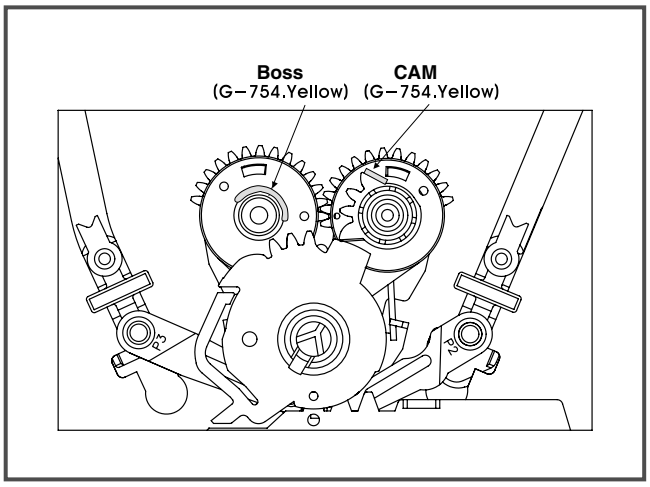
Guide Rack F/L **Gear Rack F/L**



GEAR , F/R



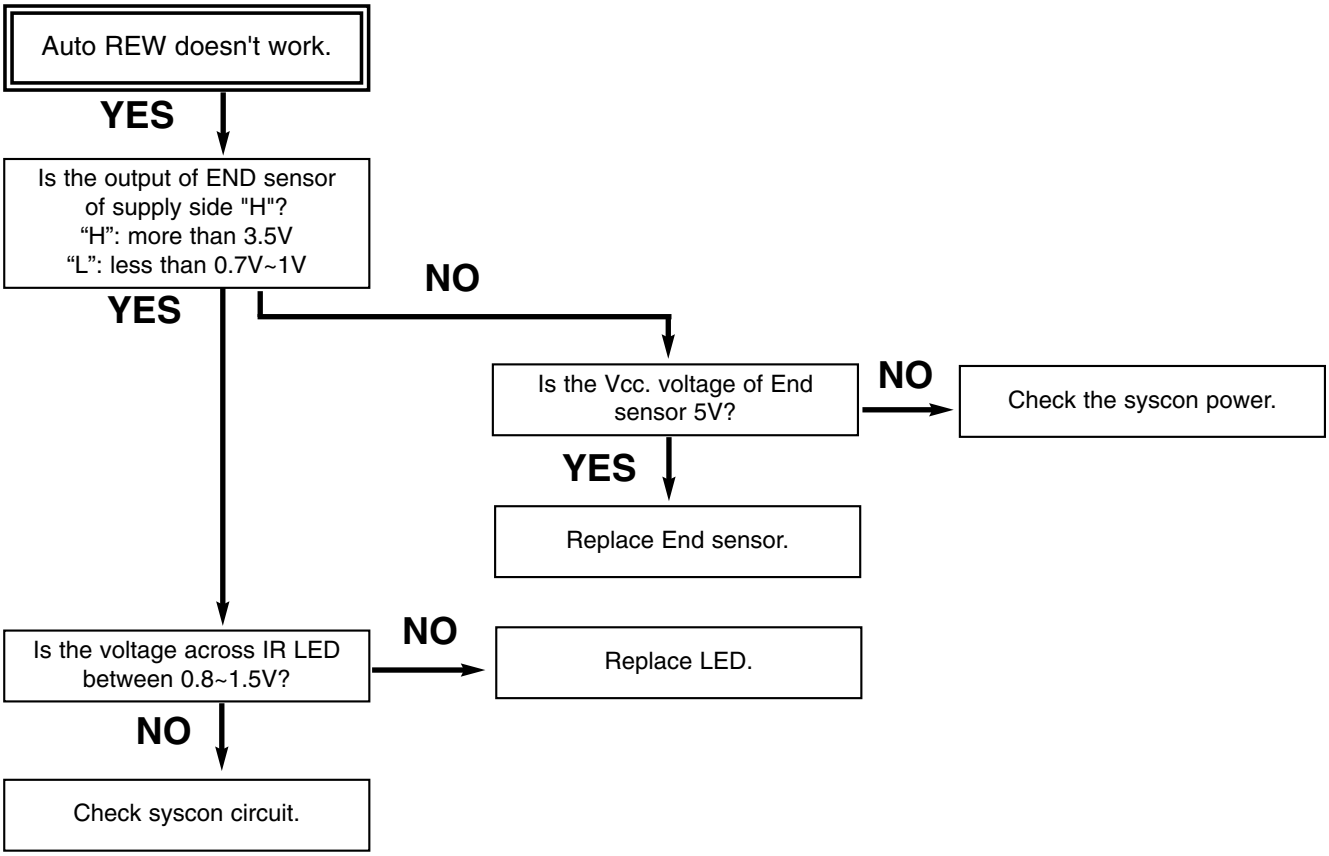
GEAR AY, P2 & P3



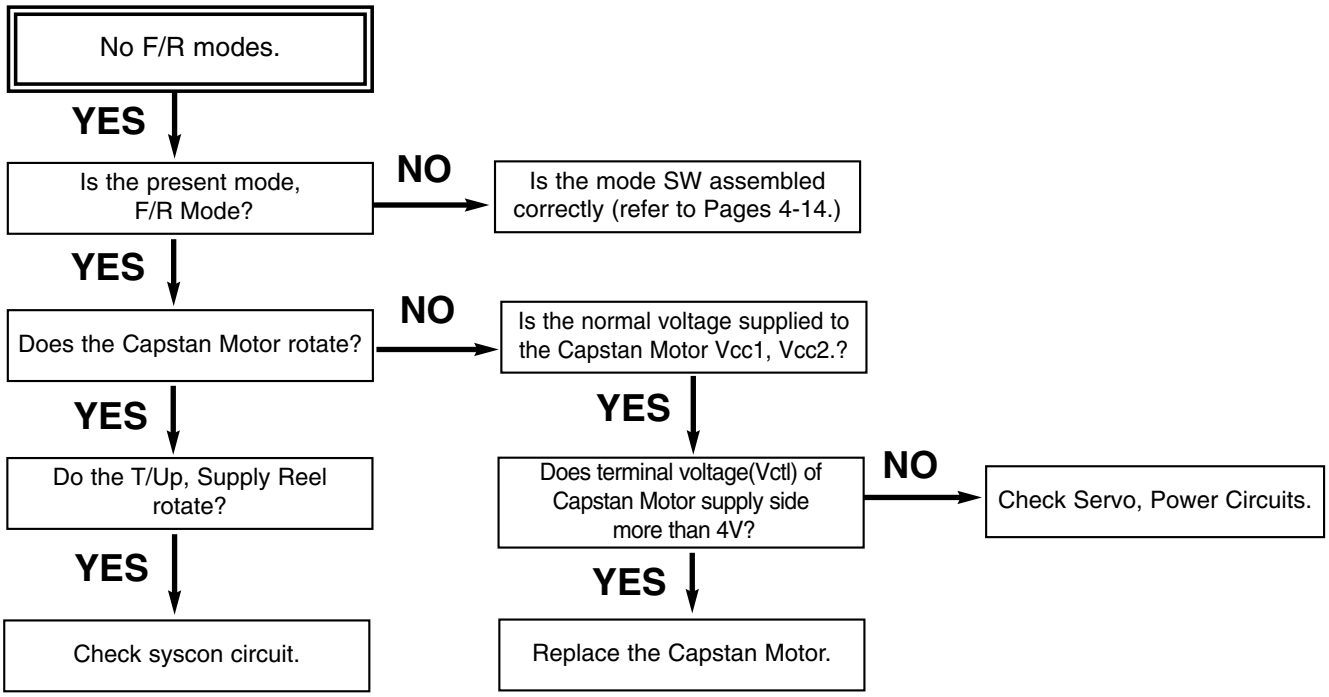
MECHANISM TROUBLESHOOTING GUIDE

1.Deck Mechanism

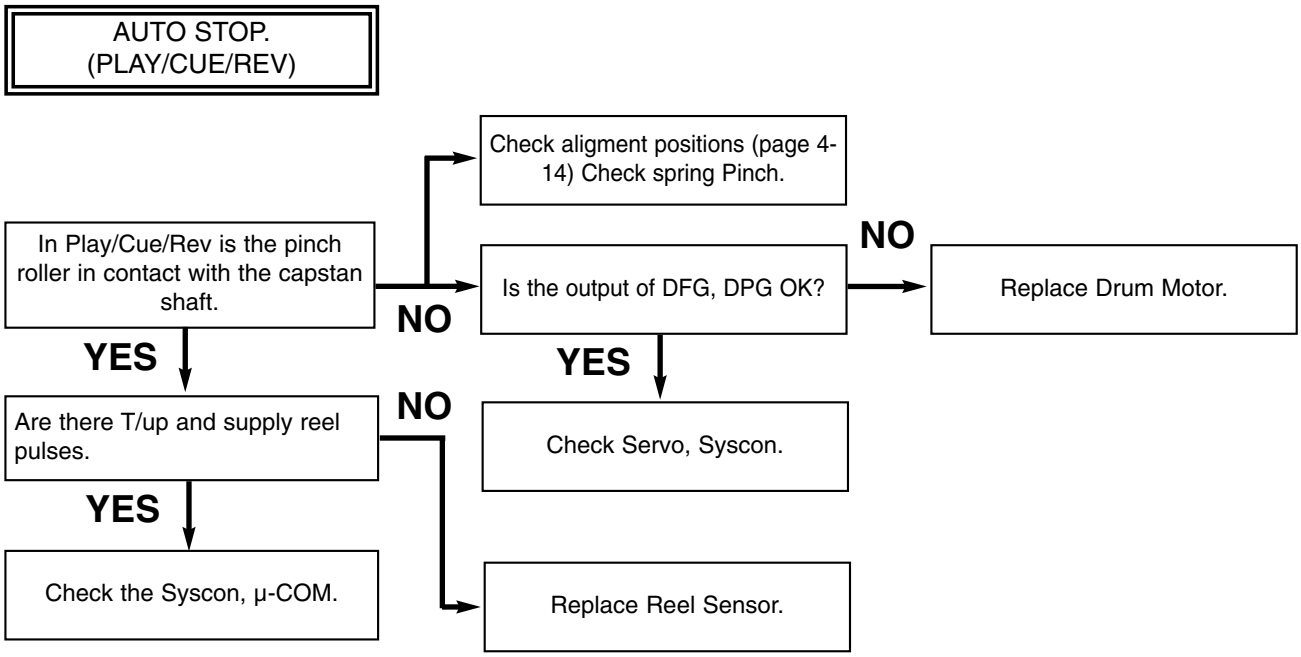
A.



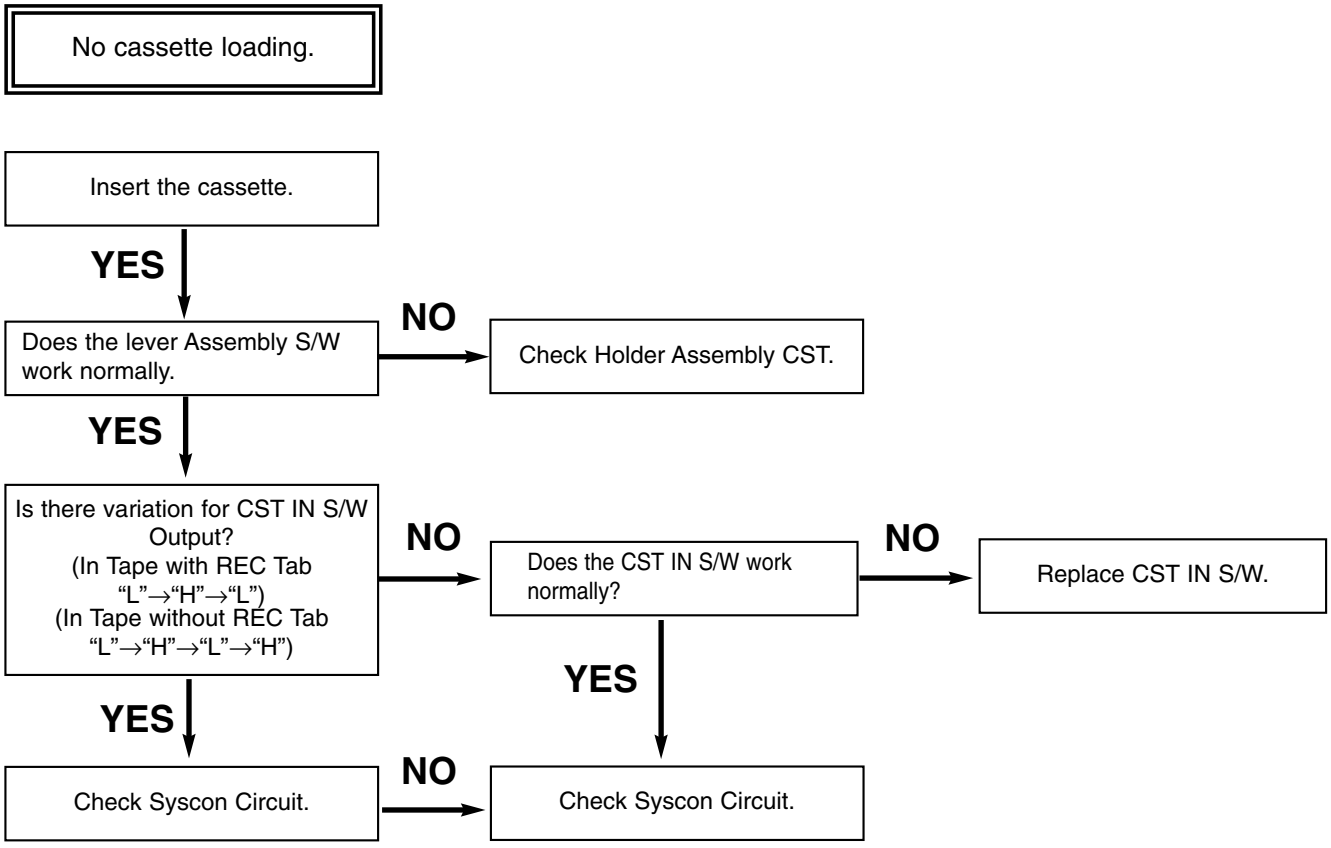
B.



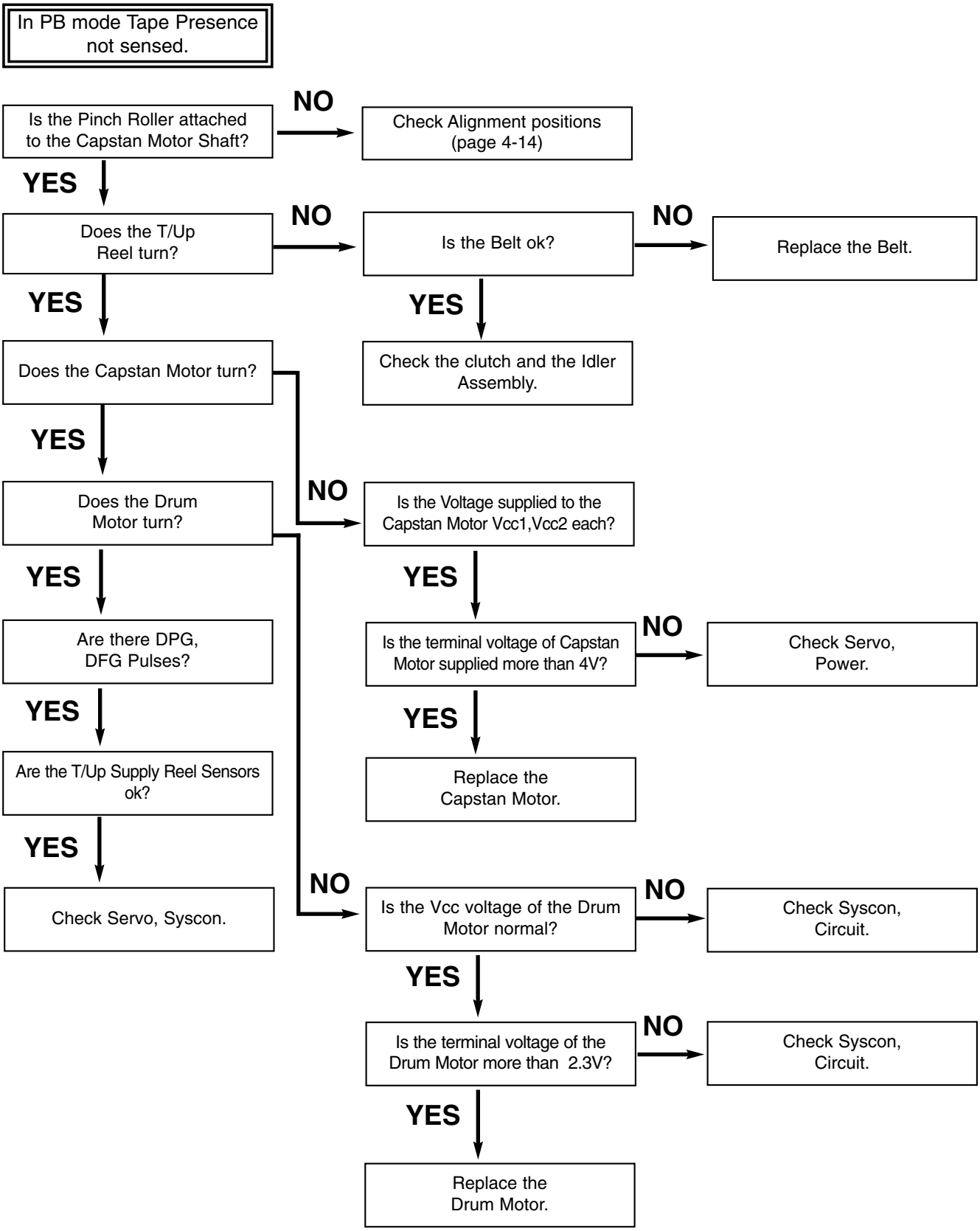
C.


AUTO STOP.
(PLAY/CUE/REV)
In Play/Cue/Rev is the pinch roller in contact with the capstan shaft.
Check aligment positions (page 4-14) Check spring Pinch.
NO
Is the output of DFG, DPG OK?
NO
Replace Drum Motor.
YES
YES
Are there T/up and supply reel pulses.
NO
Check Servo, Syscon.
YES
Check the Syscon, µ-COM.
Replace Reel Sensor.

D.

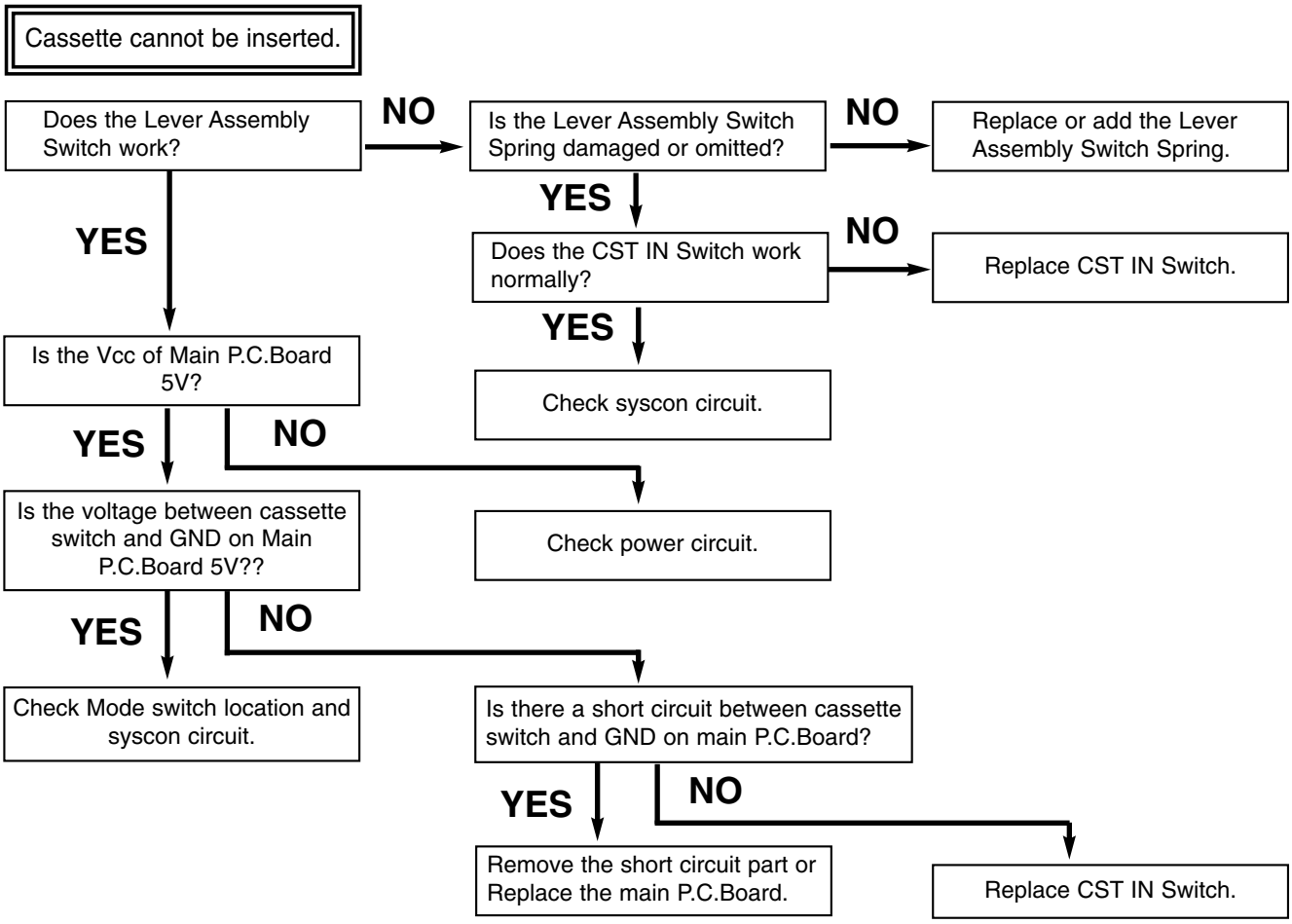

No cassette loading.
Insert the cassette.
YES
Does the lever Assembly S/W work normally.
NO
Check Holder Assembly CST.
YES
Is there variation for CST IN S/W Output?
(In Tape with REC Tab
"L"→"H"→"L")
(In Tape without REC Tab
"L"→"H"→"L"→"H")
NO
Does the CST IN S/W work normally?
NO
Replace CST IN S/W.
YES
YES
Check Syscon Circuit.
NO
Check Syscon Circuit.

E.

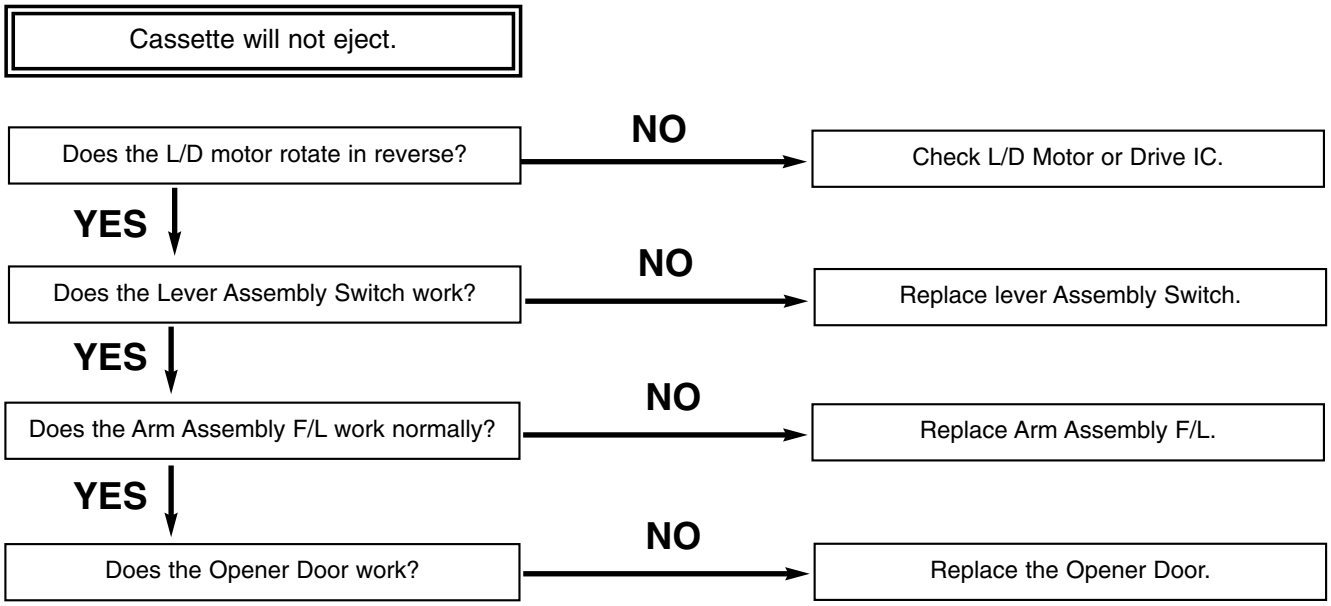

In PB mode Tape Presence not sensed.
Is the Pinch Roller attached to the Capstan Motor Shaft?
NO
Check Alignment positions (page 4-14)
YES
Does the T/Up Reel turn?
NO
Is the Belt ok?
NO
Replace the Belt.
YES
YES
Does the Capstan Motor turn?
Check the clutch and the Idler Assembly.
YES
Does the Drum Motor turn?
NO
Is the Voltage supplied to the Capstan Motor Vcc1,Vcc2 each?
YES
YES
Are there DPG, DFG Pulses?
Is the terminal voltage of Capstan Motor supplied more than 4V?
NO
Check Servo, Power.
YES
YES
Are the T/Up Supply Reel Sensors ok?
Replace the Capstan Motor.
YES
NO
Check Servo, Syscon.
Is the Vcc voltage of the Drum Motor normal?
NO
Check Syscon, Circuit.
YES
Is the terminal voltage of the Drum Motor more than 2.3V?
NO
Check Syscon, Circuit.
YES
Replace the Drum Motor.

2. Front Loading Mechanism

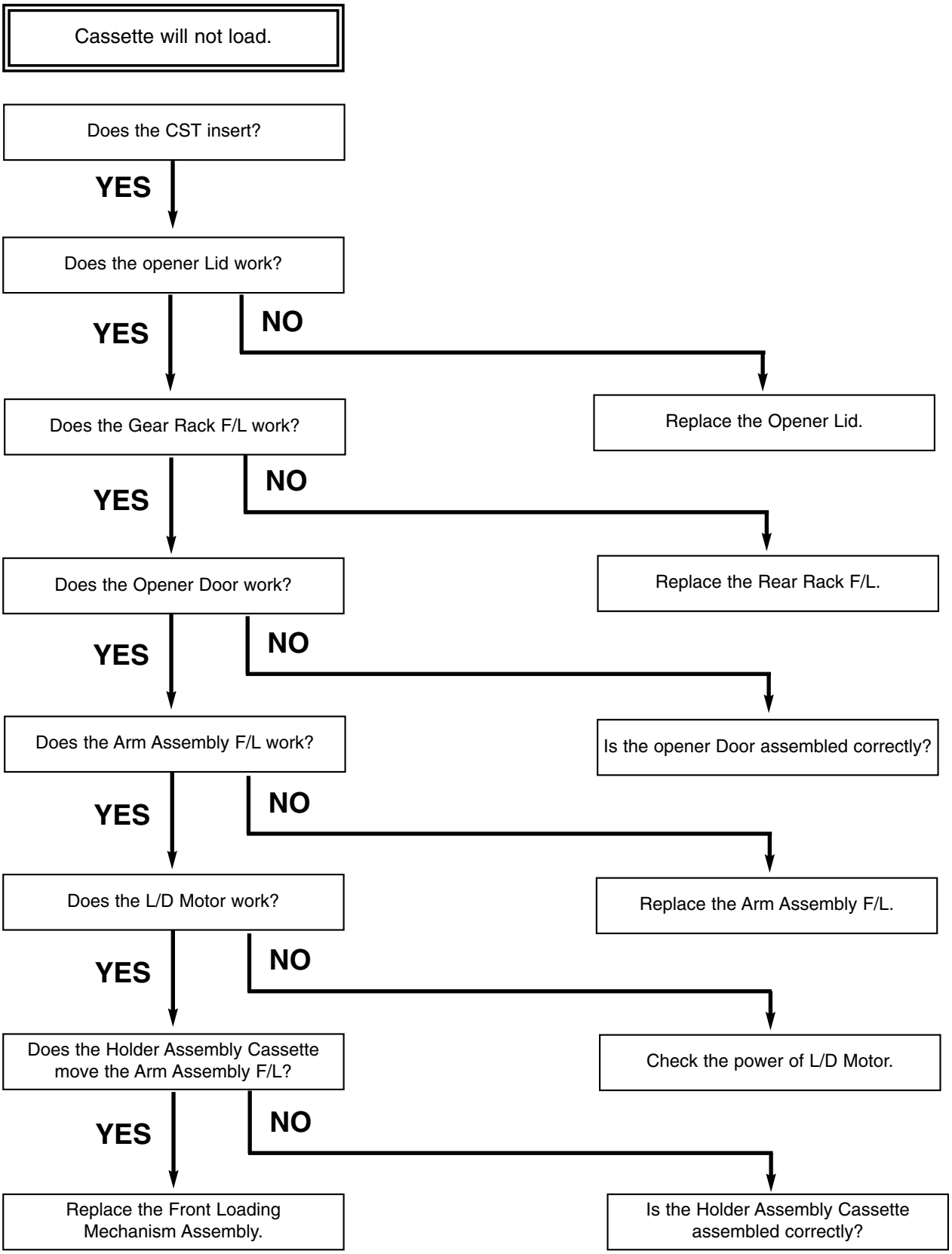
A.


Cassette cannot be inserted.
Does the Lever Assembly Switch work?
NO
Is the Lever Assembly Switch Spring damaged or omitted?
NO
Replace or add the Lever Assembly Switch Spring.
YES
YES
Does the CST IN Switch work normally?
NO
Replace CST IN Switch.
YES
Is the Vcc of Main P.C.Board 5V?
Check syscon circuit.
YES
NO
Is the voltage between cassette switch and GND on Main P.C.Board 5V??
Check power circuit.
YES
NO
Check Mode switch location and syscon circuit.
Is there a short circuit between cassette switch and GND on main P.C.Board?
YES
NO
Remove the short circuit part or Replace the main P.C.Board.
Replace CST IN Switch.

B.

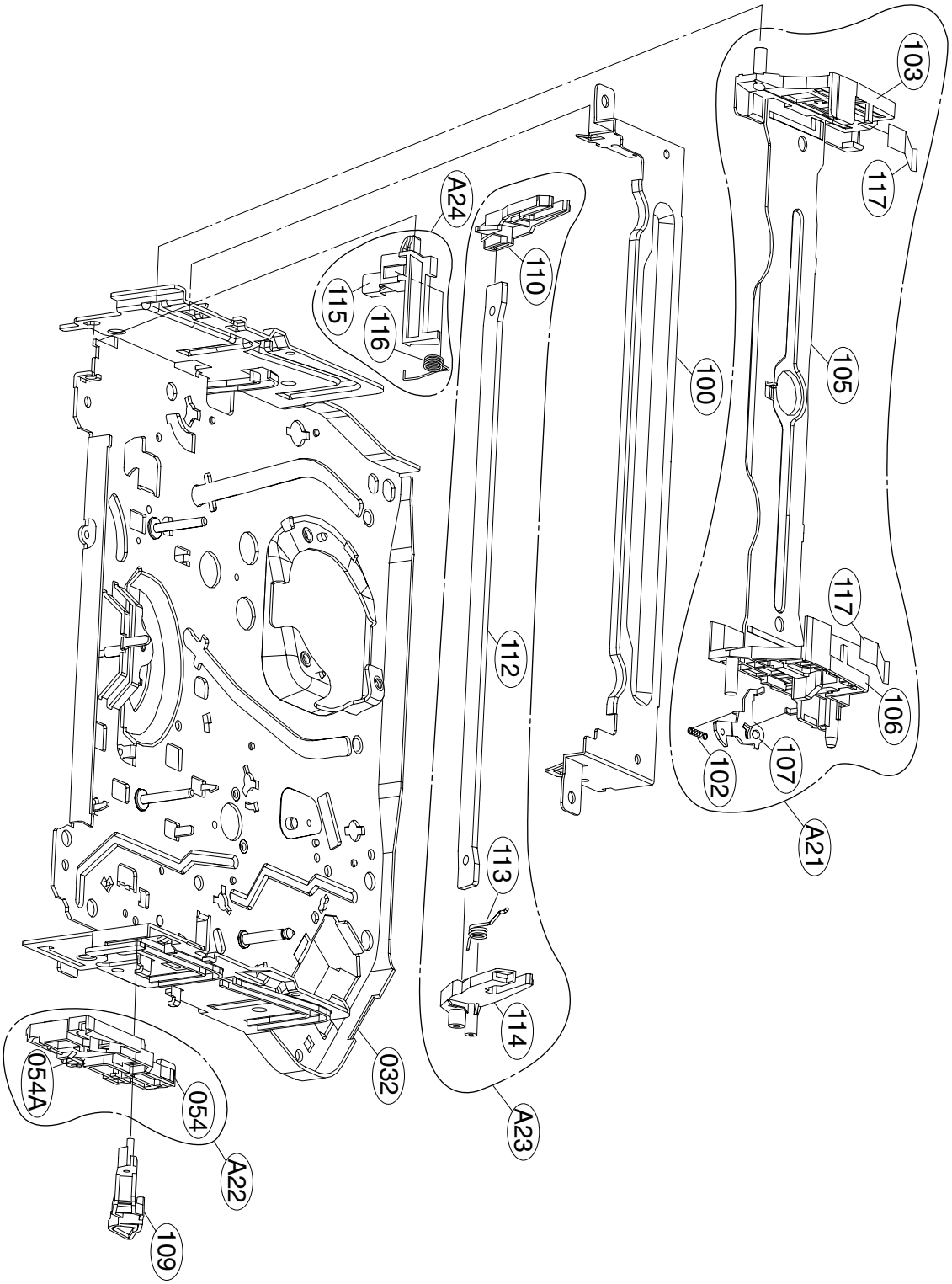


C.


Cassette will not load.
Does the CST insert?
YES
Does the opener Lid work?
YES
NO
Replace the Opener Lid.
Does the Gear Rack F/L work?
YES
NO
Replace the Rear Rack F/L.
Does the Opener Door work?
YES
NO
Is the opener Door assembled correctly?
Does the Arm Assembly F/L work?
YES
NO
Replace the Arm Assembly F/L.
Does the L/D Motor work?
YES
NO
Check the power of L/D Motor.
Does the Holder Assembly Cassette move the Arm Assembly F/L?
YES
NO
Is the Holder Assembly Cassette assembled correctly?
Replace the Front Loading Mechanism Assembly.

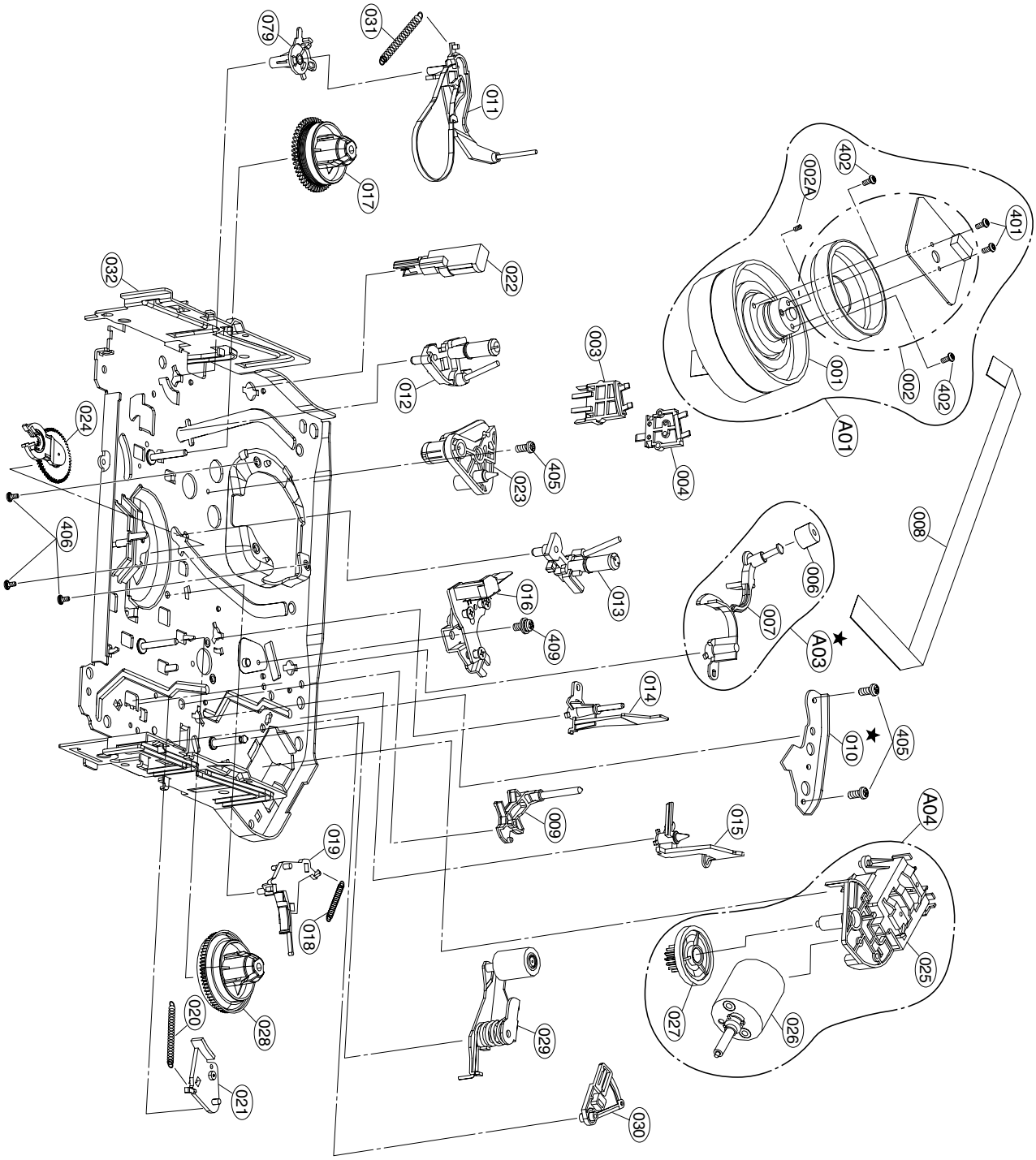
EXPLODED VIEWS

1. Front Loading Mechanism Section

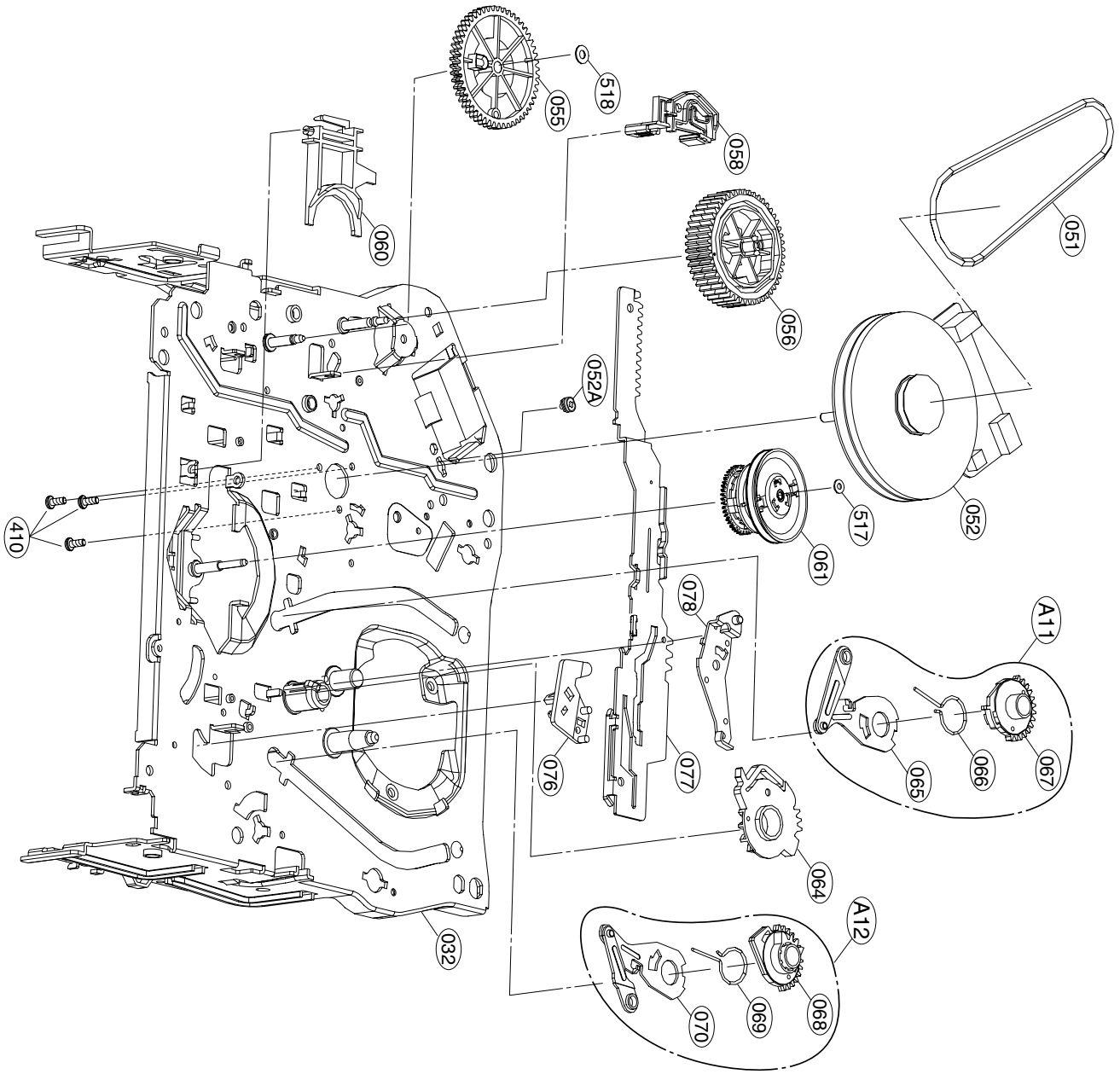


2. Moving Mechanism Section(1)

★ OPTIONAL PART



3. Moving Mechanism Section(2)



MEMO

NOTES) If you want to purchase Flash memory, you must order "IC3F1A"

NOTES) ⚠ Warning
Parts that are shaded are critical With respect to risk of fire or electricial shock.

SECTION 5 REPLACEMENT PARTS LIST

MODEL : XBS245(ZENITH) **RUN DATE:31,OCTOBER.2002**

MECHANICAL SECTION **NSP:NOT SERVICE PART**

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
DVD SIDE						
			ASSEMBLY SECTION			
		A01	4861R-0006A	CLAMP ASSY	DISC(DP2)	
		A02	3041R-M008A	BASE ASSEMBLY	MAIN, DP5-4V (SHORT BODY)	
		A03	3041R-0054E	BASE ASSEMBLY	SLED (DP-5RM, 2LD 302T DC W/O	
		A26	6721R-0356A	DECK ASSEMBLY,VIDEO	DP5-4V(SHORT BODY-COMBI)	
			PARTS SECTION			
		001	3300R-0547A	PLATE	CLAMP	NSP
		002	5016H-1016B	MAGNET	CLAMP(LDM-R608,10*5,1*1.5T)	NSP
		003	4860R-0006A	CLAMP	UPPER	NSP
		004	4930R-0171A	HOLDER	CLAMP	
		008	4470R-0047A	GEAR	ASSY RACK	
		009	4470R-0053A	GEAR	MIDDLE	
		010	6850R-GK22Z	CABLE,FLAT	P=1.0 FFC UL2896(0.05X0.65) 11	
		011	3210R-0036A	FRAME	UP/D	
		011A	6850R-JW24Z	CABLE,FLAT	P=1.0 FFC UL2896(0.035X0.7) 23	
		012	5040R-0047A	RUBBER	REAR(E2,5040H-1054A),YAMAUCHI	
		012	5040R-0047B	RUBBER	DAMPER(E2,5040H-1054A),CHUNPOO	
		013	4400R-0006A	BELT	LOADING	
		014	4470R-0055A	GEAR	PULLEY	
		015	6871R-4415A	PWB(PCB) ASSY,TOTAL	LOADING DP4	
		016	4470R-0050A	GEAR	ASSY FEED	
		017	4470R-0056A	GEAR	LOADING	
		018	4974R-0023A	GUIDE	UP/DOWN	
		020	3040R-M001A	BASE	MAIN MOLD	NSP
		026	3390R-0014A	TRAY	DISK	
			SCREW			
		429	1SZZR-0012A	SCREW,	B-TITE	
		430	1SZZH-1003A	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM	
		430	1SZZH-1003A	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM	
		431	1SZZH-1007B	SCREW,DRAWING	+D2.0 6MM SWRCH16A/ZNBK 4MM 1	
		432	1SZZR-0011A	SCREW,	MACHINE	
VCR SIDE						
			ASSEMBLY SECTION			
		A00	6721R-0740F	DECK ASSEMBLY,VIDEO	D35(N) (4HF, NT, AHC(X), B/C(X	NSP
		A01	6723R-C403A	DRUM(CIRC) ASSEMBLY	D35 6CH NTSC (8C6W)	
		A01	6723R-D403A	DRUM(CIRC) ASSEMBLY	D35-6CH NTSC EP JUST(8C6W)	
		A04	4811R-0038B	BRACKET ASSEMBLY	L/D	
		A04	4811R-0038A	BRACKET ASSEMBLY	L/D	
		A11	4471R-0005A	GEAR ASSY	P3	
		A12	4471R-0004A	GEAR ASSY	P2	
		A21	4931R-0047A	HOLDER ASSY	CST	
		A22	4471R-0006A	GEAR ASSY	RACK F/L	
		A23	4261R-0023A	ARM ASSY	F/L	
		A24	4510R-0046A	LEVER	ASSY SWITCH	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
			PARTS SECTION			
		001	6723R-D306A	DRUM(CIRC) ASSEMBLY	SUB D35-6CH NTSC(8C6W)	NSP
		002A	5202R00002C	BRUSH,CARBON	ASSY D33 (TIP+2 SPRING) 1.4,	
		003	4930R-0284A	HOLDER,SHELF	FPC(6CH)	
		004	5006R-0034A	CAP	FPC	
		008	6850R-HG18Z	CABLE,FLAT	P=1.25 FFC UL2896(0.05X0.8) 7	
		009	4260R-0038A	ARM	T/UP(D35)	
		011	4261R-0022A	ARM ASSY	TENSION(D35)	
		012	3041R-0037A	BASE ASSY	P2	
		013	3041R-0038A	BASE ASSY	P3	
		014	3041R-0039A	BASE ASSY	P4	
		015	5870R-0005A	OPENER	LID(D35)	
		016	3041R-0036B	BASE ASSEMBLY	A/C HEAD (TDK)	
		016	3041R-0036A	BASE ASSEMBLY	A/C HEAD (ALPS)	
		017	4408R-0003A	REEL	S	
		018	4970R-0140A	SPRING	COIL RS D35	
		019	4421R-0008A	BRAKE ASSEMBLY	RS	
		020	4970R-0128A	SPRING	COIL D35 (TB)	
		021	4421R-0006A	BRAKE ASSY	T	
		022	6520D00001A	HEAD(CIRC)	D35 FE TDK FE HEAD	
		022	6520D00002A	HEAD(CIRC)	D35 FE ST FE HEAD	
		023	3040R-0057A	BASE	LOADING	
		024	4261R-0029A	ARM ASSEMBLY	IDLER (N)	
		025	4810R-0111A	BRACKET	L/D	NSP
		026	4680R-D006A	MOTOR(MECH)	LOADING RF-370CA-12560 MABUCHI	
		027	4470R-0093A	GEAR	WHEEL	NSP
		028	4408R-0004A	REEL	T	
		029	4261R-0019B	ARM ASSEMBLY	PINCH	
		029	4261R-0019A	ARM ASSY	PINCH	
		030	4510R-0043A	LEVER	T/UP	
		031	4970R-0123A	SPRING	COIL TENSION(D35)	
		032	3141R-0040A	CHASSIS ASSY	D35	NSP
		051	4400R-0005A	BELT	CAPSTAN	
		052	4680R-A008A	MOTOR(MECH)	CAPSTAN SAMSUNG DMVCMC09L D35	
		052	4680R-A006A	MOTOR(MECH)	CAPSTAN MCVC-035AA LGIT BLDC 3	
		052	4680R-A007A	MOTOR(MECH)	CAPSTAN F2QVB06 SANKYO D35 ASR	
		052A	4980R-0023A	SUPPORTER	CAPSTAN(D35)	
		054	4470R-0100A	GEAR	RACK F/L	
		054A	4970R-0124B	SPRING	COIL D35 (RACK F/L)	
		055	4470R-0097A	GEAR	DRIVE(D35)	
		056	4470R-0096A	GEAR	CAM(D35)	
		058	4421R-0007A	BRAKE ASSY	CAPSTAN	
		060	4510R-0040A	LEVER	F/R(D35)	
		061	4265R-0006A	CLUTCH ASSEMBLY	D35 (N)	
		064	4470R-0098A	GEAR	SECTOR(D35)	
		065	4261R-0021A	ARM ASSY	P3	NSP
		066	4970R-0122A	SPRING	COIL D35	NSP
		067	4470R-0095A	GEAR	P3	NSP
		068	4470R-0094A	GEAR	P2	NSP
		069	4970R-0122A	SPRING	COIL D35	NSP
		070	4261R-0020A	ARM ASSY	P2	NSP
		076	4510R-0047A	LEVER	SPRING	
		077	3300R-M116A	PLATE	SLIDER	
		078	4510R-0041A	LEVER	TENSION	
		079	3040R-0056A	BASE	TENSION(D35)	
		100	3300R-M118A	PLATE	TOP(D35)	
		102	4970R-0130A	SPRING	COIL D35 (STOPPER)	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		103	4930R-0276A	HOLDER,SHELF	SIDE(L)	NSP
		105	4930R-0274A	HOLDER,SHELF	CST	NSP
		106	4930R-0275A	HOLDER,SHELF	SIDE(R)	NSP
		107	4510R-0044A	LEVER	STOPPER	NSP
		109	5870R-0004A	OPENER	DOOR	
		110	4260R-0035A	ARM	F/L(L)	NSP
		112	3070R-0002A	BODY	F/L	NSP
		113	4970R-0127A	SPRING	COIL D35 (F/L(R))	NSP
		114	4260R-0036A	ARM	F/L(R)	NSP
		115	4510R-0042A	LEVER	SWITCH	
		116	4970R-0138A	SPRING	COIL D35 SWITCH	
		117	3300R-M137A	PLATE	SPRING CST	
			SCREW & WASHER			
		401	1MEC0261518	SCREW MACHINE,PAN HEAD SPR W	#NAME?	
		402	1MPC0261418	SCREW MACHINE,PAN HEAD	D 2.6 L 4.0 MSWR3/FZY	
		405	1SZZR-0031B	SCREW,DRAWING	+1 D2.6 L5.8 SWRCH16A/FZY TAP	
		406	1MEC0302018	PAN HEAD MACHINE SCREW S/W +	D 3.0 L 6.0 MSWR3/FZY	
		409	1SZZR-0032B	SCREW,DRAWING	+1 D2.6 L5.0 SWRCH18A/FZY TAP	
		410	1APF0262218	SCREW TAP TITE(B),PAN HEAD	#NAME?	
		517	1WZZR-0004D	WASHER	STOPPER	
		518	1WZZR-0004A	WASHER	STOPPER	
			CABINET & MAIN FRAME SECTION			
			ASSEMBLY SECTION			
		A42	6871R-2660B	PWB(PCB) ASSEMBLY,TOTAL	DT-550 RIGHT KEY .	
		A43	3721R-F325F	PANEL ASSEMBLY,FRONT	FRONT(DT-587M AA1UZZ)	
		A46	3501R-2470B	BOARD ASSEMBLY	DT-S587M	
		A46A	6885R-0273C	SUB ASSEMBLY		
		A46B	6871R-3850D	PWB(PCB) ASSEMBLY,TOTAL	WOOFER N.AMERICA (50/100)	
		A48	3501R-3860B	BOARD ASSEMBLY	DT-S587M SMPS 50W/80W	
		A48A	6871R-3860B	PWB(PCB) ASSEMBLY,TOTAL	DT-587M SMPS	
		A49	6871R-2650B	PWB(PCB) ASSEMBLY,TOTAL	DT-550. (KEY) .	
			PARTS SECTION			
		250	3110R-P009G	CASE	J597G SILVER PRESS ADD HOLE	
		260	3211R-V001B	FRAME ASSEMBLY	NTSC 403AF BK MAIN	NSP
		262	3300R-V015A	PLATE	DT-S580 PRESS HEAT SINK(AL 606	
		262A	3300R-V021A	PLATE	DT-S580 PRESS	
		263	3550R-0485A	COVER	INSULATION(PVC 0.5T)	
		264	3550R-0483A	COVER	SHIELD SMPS(COMBI+WOOFER)	
		265	3110R-V003A	CASE	HTC-S580 PRESS SHIELD SMPS	
		266	3110R-V002A	CASE	HTC-S580 PRESS SHIELD SMPS(DOW	
		276	4930R-0298B	HOLDER,SHELF	VCR - TIMER PWB(D+V-RIB CUTTIN	
		278B	4930R-0226A	HOLDER	DIGITRON	
		277	5020R-0699A	BUTTON	VCR - KNOB VOLUME(HOME THEATER	
		280	3720R-F218Q	PANEL,FRONT	FRONT (DT-587M AA1UZZ ZENITH H	NSP
		283	3580R-V051E	DOOR,CASE	CST (V027 DT-587M AA1UZZ ZENIT	
		284	442-681A	SPRING	DOOR	
		285	3581R-T063E	DOOR ASSEMBLY	TRAY (DT-587M AA1UZZ ZENITH A3	
⚠		300	6410RAHS02A	POWER CORD	AP-10W NI SP2 CORE 80 STP SANG	
		320	3720R-D070B	PANEL,VIDEO	DISTRIBUTOR (COMBI+WOOFER NTSC	
		323	3111R-0089B	CASE ASSY	PRE-AMP (PBSB-SH)	
		330	3140R-0042A	CHASSIS	VCR - MAIN(DVD+VCR)	
			SCREW			
		452	353-051A	SCREW	SPECIAL	
		457	353-051E	SCREW	SPECIAL (3X12)	
		462	353-085E	SCREW,DRAWING	+3 D4.0 L10.0 MSWR3/FZMCW- 2	
		463	353-051B	SCREW	SPECIAL	
		465	353-046K	SCREW	SPECIAL (3X10 B.K)	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		467	353-051G	SCREW,DRAWING	+2 D3.0 L8.0 MSWR3/FN TB ROUN	
PACKING & ACCESSORY SECTION						
		801	3835RM0055A	INSTRUCTION ASSEMBLY	DT-587M AA1UZZ	
		802	3890R-H800W	BOX	DT-587M AA1UZZ SWW3-A 1.853 4	
		803	3920R-E056A	PACKING,CASING	HOMETHEATER 0.02 80 EPS 4 0 0	
		803A	3920RME047A	PACKING,CASING	FE-5100(COMBI) TOP 0.02 0 EPS	
		803B	3920RME047B	PACKING,CASING	FE-5100(COMBI) MID 0.02 0 EPS	
		803C	3920RME047C	PACKING,CASING	FE-5100(COMBI) BOTTOM 0.02 0 E	
		804	292-053A	BAG	SOFT(VCP)	NSP
		804	3858R-S001A	SHEET (MECH)	LDPE 600M 630MM 0.5 VCR_DVD	NSP
		806	861-012C	CABLE SET ASSY	RF-CABLE	
		810	861-506V	CABLE SET ASSY	RF-CABLE, HI-FI	
		811	564-017B	PLUG ASSY	PHONO CORD 1WAY (YL)	
		812	564-018B	PLUG ASSY	PHONO CORD 2WAY (RD/WH)	
		808	534-008C	BATTERY,MANGANESE	AAAM(R03) SEOTONG 1-5 V - 1PA	
		900	6711R2N079A	REMOTE CONTROLLER ASSEMBLY	D3(KIE57KEY) DT-587M ZENITH	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
VCR SIDE						
	A48 (BOARD ASSEMBLY)					
		A48	3501R-3860B	BOARD ASSEMBLY	DT-S587M SMPS 50W/80W	
		A48A	6871R-3860B	PWB(PCB) ASSEMBLY,TOTAL	DT-587M SMPS	
		BC101	636-004C	COIL	BEAD CORE BFS3550R2FD8,R T/P	
		BC102	636-004C	COIL	BEAD CORE BFS3550R2FD8,R T/P	
		BD101	0DRGF00011A	DIODE,RECTIFIERS	GBU6J GULF ST NON 600V 6A 175A	
⚠		C101	624-088F	CAPACITOR,DRAWING	PCX2 275V 0.1UF,M (PILKO)	
⚠		C102	624-088F	CAPACITOR,DRAWING	PCX2 275V 0.1UF,M (PILKO)	
		C103	0CE567RR6A0	CAPACITOR,FIXED ELECTROLYTIC	560UF KMH,HE 250V 20% VNSN BUL	
		C107	624-087D	CAPACITOR	HI-VOL 470P/1KVDC SMPS SAMHWA	
		C108	0CQ1821N409	CAPACITOR POLYESTER(MYLAR)	0.0018U 100V J POLY TP	
		C109	0CQ4732K409	CAPACITOR,FIXED FILM	0.047UF S 50V J PE TP	
		C110	0CQ1042K409	CAPACITOR,FIXED FILM	0.1UF S 50V J PE TP	
⚠		C114	0CG3310U510	CAPACITOR,FIXED CERAMIC(TEMP.C	330PF D 400V 10% B(Y5P) R	
		C115	0CQ1031Y519	CAPACITOR,POLYESTER	0.01UF D 630V K PE NI TP	
		C117	624-087S	CAPACITOR,FIXED CERAMIC(High d	47PF D 1KV 10% TR B(Y5P)	
		C119	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C120	0CN4730K948	CAPACITOR,FIXED TUBULAR(High d	0.047UF D 50V 80%,-20% F(Y5V)	
		C121	0CE1076K618	CAPACITOR,ELECTROLYTIC	100UF SMS 50V M FL TP5	
⚠		C122	0CG3320U631	CAPACITOR,FIXED CERAMIC(TEMP.C	3300PF D 400V 20% R Y	
		C123	0CE1076K618	CAPACITOR,ELECTROLYTIC	100UF SMS 50V M FL TP5	
		C130	0CE2276F638	CAPACITOR,ELECTROLYTIC	220U SMS 16V M FM5 TP(5)	
		C131	624-087J	CAPACITOR	HIGH-VOL 102PF/1KV CERAMIC	
		C132	0CE228ZK610	CAPACITOR,FIXED ELECTROLYTIC	2200UF LXV DOWN 50V 20% FL BUL	
		C133	0CE228ZK610	CAPACITOR,FIXED ELECTROLYTIC	2200UF LXV DOWN 50V 20% FL BUL	
		C135	0CE228ZK610	CAPACITOR,FIXED ELECTROLYTIC	2200UF LXV DOWN 50V 20% FL BUL	
		C136	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C137	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C138	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C139	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C140	0CE108EH610	CAPACITOR,FIXED ELECTROLYTIC	1000UF KMG 25V 20% BULK FL	
		C141	624-082G	CAPACITOR,FIXED ELECTROLYTIC	CE 470UF/25V SHL(10*12.5)T/P	
		C142	0CE228BF630	CAPACITOR,FIXED ELECTROLYTIC	2200UF KME TYPE 16V 20% FM5 BU	
		C144	0CE228BF630	CAPACITOR,FIXED ELECTROLYTIC	2200UF KME TYPE 16V 20% FM5 BU	
		C146	624-082H	CAPACITOR	CE 1000UF/10V SHL(10*12.5)T/P	
		C147	624-082H	CAPACITOR	CE 1000UF/10V SHL(10*12.5)T/P	
		C148	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C171	0CE3376D638	CAPACITOR,ELECTROLYTIC	330UF SMS 10V M FM5 TP5	
		C172	0CE1074F638	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		D102	0DD010009AC	DIODE	EU01W(R-FORM) TP SANKEN	
		D103	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D104	0DD010009CA	DIODE,RECTIFIER	EG01CW(R-FORM 5MM) TP SANKEN	
		D104	0DD221009AA	DIODE,RECTIFIERS	ERA22-10 KFLB,TP ,R T/P,FUJI	
		D105	0DD010009AC	DIODE	EU01W(R-FORM) TP SANKEN	
		D108	0DD010009AC	DIODE	EU01W(R-FORM) TP SANKEN	
		D122	4811R-0043L	BRACKET ASSEMBLY	F20U20S_HEAT SINK	
		D123	0DD010009AC	DIODE	EU01W(R-FORM) TP SANKEN	
		D124	0DD010009AC	DIODE	EU01W(R-FORM) TP SANKEN	
		D125	0DD010009AC	DIODE	EU01W(R-FORM) TP SANKEN	
		D126	4811R-0043L	BRACKET ASSEMBLY	F20U20S_HEAT SINK	
		D127	4811R-0043A	BRACKET ASSEMBLY	FMB-G24H_HEAT SINK	
		D129	4811R-0043A	BRACKET ASSEMBLY	FMB-G24H_HEAT SINK	
⚠		F101	0FT5001B510	FUSE,TIME LAG	5000MA 250 V 5.2X20 CY/GL ECT	
⚠		F102	GIRH200000B	IC,ROHM	ICP-N20 T104 TP IC DETACT	
		FH01	586-008B	HOLDER	FUSE CLIP TP SINSUNG	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		FH02	586-008B	HOLDER	FUSE CLIP TP SINSUNG	
⚠		IC101	4811R-0043J	BRACKET ASSEMBLY	KA1565RF_HEAT SINK	
⚠		IC102	657-063A	SENSOR	LTV-817B,PHOTO COUPLER(LITEON)	
		IC103	0ISS431000A	IC,SAMSUNG ELECTRONICS	KA431AZ (LM431AZ)	
		IC103	0IKE431000A	IC,KEC	KIA431 3 PIN TP	
⚠		IC105	657-063A	SENSOR	LTV-817B,PHOTO COUPLER(LITEON)	
		IC106	0ISS431000A	IC,SAMSUNG ELECTRONICS	KA431AZ (LM431AZ)	
		IC106	0IKE431000A	IC,KEC	KIA431 3 PIN TP	
		IC151	0IPMGKE006B	IC,POWER MANAGEMENT	KIA78R33PI CU KEC 4P TO-220IS	
		IC151	0IPMGFA015A	IC,POWER MANAGEMENT	KA78R33TSTU FAIRCHILD 4P TO-22	
		IC152	0IPMGKE018A	IC,POWER MANAGEMENT	KIA78R05API CU KEC 4P TO-220IS	
		IC152	0IPMGFA032A	IC,POWER MANAGEMENT	KA78R05TSTU FAIRCHILD 4P TO-22	
		IC153	0IPMGKE014A	IC,POWER MANAGEMENT	KIA7812API-CU KEC 3P TO-220(CU	
⚠		L101	6200JB8009X	FILTER(CIRC),EMC	LINE FILTER(WITH BASE) SAMWHA	
⚠		L102	6200JB8009X	FILTER(CIRC),EMC	LINE FILTER(WITH BASE) SAMWHA	
		L121	6140RCC002A	COIL,CHOKE	20UH/6A BAR CORE 20UH KWANGS	
		L122	633-088D	COIL,CHOKE	CHOCK ,20UH KWANGSUNG LEAD CU	
		L123	633-088D	COIL,CHOKE	CHOCK ,20UH KWANGSUNG LEAD CU	
		L124	633-088D	COIL,CHOKE	CHOCK ,20UH KWANGSUNG LEAD CU	
		PSM01	561-7150	CONNECTOR (CIRC),WAFER	GIL-G-15P-S3T2-E LG CABLE 15P	
		PSW01	6631R-F010C	CONNECTOR ASSEMBLY	GIL-G/GIL-J 10 PIN 100M/M UL10	
		R100	0RD1504H632	RESISTOR,FIXED CARBON FILM	1.5M OHM 1/2 W 5.00% MF10	
		R101	0RD0102F608	RESISTOR,FIXED CARBON FILM	10 OHM 1/6 W 5% TA26	
		R102	0RD6800F608	RESISTOR,FIXED CARBON FILM	680 OHM 1/6 W 5% TA26	
		R104	0RD0821F608	RESISTOR,FIXED CARBON FILM	8.2 OHM 1/6 W 5.00% TA26	
		R105	0RD0821F608	RESISTOR,FIXED CARBON FILM	8.2 OHM 1/6 W 5.00% TA26	
		R106	0RD3900F608	RESISTOR,FIXED CARBON FILM	390 OHM 1/6 W 5% TA26	
		R108	0RS1803K619	RESISTOR,FIXED METAL OXIDE FIL	180K OHM 2 W 5% TR	
		R110	0RS1803K619	RESISTOR,FIXED METAL OXIDE FIL	180K OHM 2 W 5% TR	
		R111	0RD0102F608	RESISTOR,FIXED CARBON FILM	10 OHM 1/6 W 5% TA26	
		R114	0RS1803K619	RESISTOR,FIXED METAL OXIDE FIL	180K OHM 2 W 5% TR	
		R121	0RD2701F608	RESISTOR,FIXED CARBON FILM	2.7K OHM 1/6 W 5% TA26	
		R122	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R123	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R124	0RN2402F408	RESISTOR,FIXED METAL FILM	24000 OHM 1/6 W 1.00% TA26	
		R125	0RN1801F408	RESISTOR,FIXED METAL FILM	1.8K OHM 1/6 W 1% TA26	
		R126	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R127	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R128	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R129	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R131	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R132	0RD2200F608	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R133	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R134	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R135	0RN3301F408	RESISTOR,FIXED METAL FILM	3.3K OHM 1/6 W 1% TA26	
		R136	0RN2701F408	RESISTOR,FIXED METAL FILM	2.7K OHM 1/6 W 1% TA26	
		R137	0RD2700F608	RESISTOR,FIXED CARBON FILM	270 OHM 1/6 W 5% TA26	
		R138	0RS1800K619	RESISTOR,FIXED METAL OXIDE FIL	180 OHM 2 W 5.00% TR	
		R141	0RM4700S610	RESISTOR,FIXED CEMENT	470 OHM 10 W 5% R RWR	
		R142	0RM4700S610	RESISTOR,FIXED CEMENT	470 OHM 10 W 5% R RWR	
		R184	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R185	0RD2202F608	RESISTOR,FIXED CARBON FILM	22K OHM 1/6 W 5% TA26	
⚠		T101	6170RNGW16B	TRANSFORMER,SMPS[COIL]	EER424220 SOOJUNG 270UH,DT-S58	
⚠		T102	6170RNGW16C	TRANSFORMER,SMPS[COIL]	EER3530 SOOJUNG 580UH	
		TH01	6322B62204A	THERMISTOR,PTC	NTPAN4R0LDRB0 MURATA 4.0OHM 15	
⚠		V101	656-004C	VARISTOR	SVC681D-10A SAMHWA 4.O CUT	
		ZD101	0DZ472609AB	DIODE,ZENERS	UZ-4.7BSB PYUNG CHANG TP DO34	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		ZD102	0DZ102609BB	DIODE,ZENER	UZ-10BSB 26MM TP PYUNG CHANG D	
		ZD103	0DZ102609BB	DIODE,ZENER	UZ-10BSB 26MM TP PYUNG CHANG D	
		ZD121	0DZ332609FA	DIODE,ZENER	UZ-3.3BSB 26MM TP PYUNG CHANG	
		ZD121	0DZ337729AA	DIODE,ZENER	MTZ3.3B,T-77(26MMTP) TP	
		ZD121	0DZ330009CD	DIODE,ZENER	MTZJ3.3B TP ROHM-K DO34 0.5W 3	
		ZD121	0DZ330009BF	DIODE,ZENER	GDZJ3.3B TP GRANDE DO34 0.5W 3	
	A46	**(BOARD ASSEMBLY)**				
		A46	3501R-2470B	BOARD ASSEMBLY	DT-S587M	
		C162	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C163	0CE1074F638	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C164	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C165	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C166	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C167	0CE1074F638	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C168	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C169	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C170	0CE2263F638	CAPACITOR,AL.ELECTROLYTIC	22M SRE 16V M FM5 TP(5)	
		C171	0CE4765K618	CAPACITOR,AL.ELECTROLYTIC	47UF SR,SV 50V M FL TP 5	
		C172	0CE4765K618	CAPACITOR,AL.ELECTROLYTIC	47UF SR,SV 50V M FL TP 5	
		C301	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C302	0CE2264F638	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C303	0CN1520F668	CAPACITOR,TUBULAR(HIGH DIELEC)	1500P 16V M X TA26	
		C304	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C305	0CN2220F668	CAPACITOR,TUBULAR(HIGH DIELEC)	2200P 16V M X TA26	
		C306	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C307	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C310	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C311	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C313	0CQ1032K409	CAPACITOR,POLYESTER(MYLAR)	0.01UF S 50V J PE TP	
		C314	0CQ3332K409	CAPACITOR,FIXED FILM	0.033UF S 50V J PE TP	
		C315	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C317	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C318	0CN1510K518	CAPACITOR TUBULA(HIGH DIELE)	150P 50V K B TA26	
		C319	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C320	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C321	0CX4700K408	CAPACITOR TUBULA(T.C)	47P 50V J SL TA26	
		C322	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C323	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C324	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C325	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C326	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C327	0CE3354K638	CAPACITOR,FIXED ELECTROLYTIC	3.3UF SRA,SS 50V 20% FM5 TP 5	
		C328	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C330	0CE2254K638	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C331	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C332	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C333	0CN3310K518	CAPACITOR TUBULA(HIGH DIELE)	330P 50V K B TA26	
		C334	0CN4730K948	CAPACITOR,FIXED TUBULAR(High d	0.047UF D 50V 80%,-20% F(Y5V)	
		C335	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C336	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C337	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C338	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C339	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C340	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C341	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C342	0CE2274C638	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C344	0CN223AK948	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		C345	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C346	0CC0500K015	CAPACITOR,CERAMIC(TEMP COMP)	5P 50V C NP0 TR	
		C347	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C348	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C349	0CN223AK948	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C350	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C351	0CN4720F668	CAPACITOR TUBULA(HIGH DIELE)	4700P 16V M X TA26	
		C352	0CE2254K638	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C353	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C354	0CQ2232L559	CAPACITOR,POLYESTER	0.022UF S 63V K PP NI TP5	
		C357	0CN3330K518	CAPACITOR,FIXED TUBULAR(High d	0.033UF 50V K B TA26	
		C358	0CE3354K638	CAPACITOR,FIXED ELECTROLYTIC	3.3UF SRA,SS 50V 20% FM5 TP 5	
		C359	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C360	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C361	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C362	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C363	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C365	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C366	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C367	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C368	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C369	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C370	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C371	0CN6810K518	CAPACITOR TUBULA(HIGH DIELE)	680P 50V K B TA26	
		C372	0CX2700K408	CAPACITOR TUBULA(T.C)	27P 50V J SL TA26	
		C380	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C383	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C399	0CQ1821N409	CAPACITOR POLYESTER(MYLAR)	0.0018U 100V J POLY TP	
		C500	0CE477CD638	CAPACITOR,AL.ELECTROLYTIC	470UF SHL,SD 10V M FM5 TP 5	
		C500	0CE4775C618	CAPACITOR,AL.ELECTROLYTIC	470UF SR,SV 6.3V M FL TP 5	
		C501	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C502	0CE4764C638	CAPACITOR,ELECTROLYTIC	47M SRA 6.3V M FM5 TP(5)	
		C504	0CE4774C638	CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 6.3V 20% FM5 TP 5	
		C505	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C507	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C509	0CX4700K408	CAPACITOR TUBULA(T.C)	47P 50V J SL TA26	
		C510	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C511	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C512	0CN1810K518	CAPACITOR,FIXED TUBULAR(High d	180P 50V K B TA26	
		C513	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C514	0CN223AK948	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C515	0CN223AK948	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C518	0CC2700K415	CAPACITOR CERAMIC(TEMP COMP)	27P 50V J NP0 TP	
		C519	0CC3600K415	CAPACITOR,CERAMIC (TEMP. COMPE	36P 50V J NP0 TS	
		C520	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C524	0CE3364F638	CAPACITOR,ELECTROLYTIC	33M SRA 16V M FM5 TP(5)	
		C525	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C526	0CE4764J638	CAPACITOR,AL.ELECTROLYTIC	47UF SRA,SS 35V M FM5 TP 5	
		C527	0CN1810K518	CAPACITOR,FIXED TUBULAR(High d	180P 50V K B TA26	
		C533	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C534	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C535	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C541	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C542	0CN6810K518	CAPACITOR TUBULA(HIGH DIELE)	680P 50V K B TA26	
		C543	0CN223AK948	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C544	0CN4730K948	CAPACITOR,FIXED TUBULAR(High d	0.047UF D 50V 80%,-20% F(Y5V)	
		C546	0CN223AK948	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		C551	0CN223AK948	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C552	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C556	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C557	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C561	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C564	0CN3310K518	CAPACITOR TUBULA(HIGH DIELE)	330P 50V K B TA26	
		C567	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C570	0CC1500K415	CAPACITOR,CERAMIC(TEMP COMP)	15P 50V J NP0 TS	
		C571	0CC1500K415	CAPACITOR,CERAMIC(TEMP COMP)	15P 50V J NP0 TS	
		C574	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C575	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C581	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C582	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C588	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C591	0CE4764H638	CAPACITOR,FIXED ELECTROLYTIC	47M SRA 25V M FM5 TP(5)	
		C596	0CN223AK948	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C597	0CC1800K415	CAPACITOR,FIXED CERAMIC(Temp.c	18P 50V J NP0 TS	
		C598	0CC1500K415	CAPACITOR,CERAMIC(TEMP COMP)	15P 50V J NP0 TS	
		C703	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C704	0CE4764C638	CAPACITOR,ELECTROLYTIC	47M SRA 6.3V M FM5 TP(5)	
		C706	0CX3300K408	CAPACITOR TUBULA(T.C)	33P 50V J SL TA26	
		C707	0CX5600K408	CAPACITOR,TUBULAR(T.C)	56P 50V J SL TA26	
		C708	0CE4775C618	CAPACITOR,AL.ELECTROLYTIC	470UF SR,SV 6.3V M FL TP 5	
		C709	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C710	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C712	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C713	0CX5600K408	CAPACITOR,TUBULAR(T.C)	56P 50V J SL TA26	
		C714	0CX5600K408	CAPACITOR,TUBULAR(T.C)	56P 50V J SL TA26	
		C715	0CC0500K015	CAPACITOR,CERAMIC(TEMP COMP)	5P 50V C NP0 TR	
		C716	0CC1000K015	CAPACITOR,CERAMIC(TEMP COMP)	10P 50V C NP0 TS	
		C717	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C718	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C719	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C720	0CN1520F668	CAPACITOR,TUBULAR(HIGH DIELEC)	1500P 16V M X TA26	
		C721	0CN1520F668	CAPACITOR,TUBULAR(HIGH DIELEC)	1500P 16V M X TA26	
		C722	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C723	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C726	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C727	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C729	0CE3354K638	CAPACITOR,FIXED ELECTROLYTIC	3.3UF SRA,SS 50V 20% FM5 TP 5	
		C731	0CX2700K408	CAPACITOR TUBULA(T.C)	27P 50V J SL TA26	
		C732	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C7A1	0CN1050K948	CAPACITOR,TUBULAR(HIGH DIELEC)	1UF 50V Z F TA26 D	
		C7A2	0CN1050K948	CAPACITOR,TUBULAR(HIGH DIELEC)	1UF 50V Z F TA26 D	
		C7A3	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C7A6	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C7A8	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C7M6	0CX2700K408	CAPACITOR TUBULA(T.C)	27P 50V J SL TA26	
		C802	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C803	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C804	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C805	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C806	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C808	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C809	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C811	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C812	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		C813	0CN6820F668	CAPACITOR,TUBULAR(HIGH DIELEC)	6800P 16V M X TA26	
		C814	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C815	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C816	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C817	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C818	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C819	0CN6820F668	CAPACITOR,TUBULAR(HIGH DIELEC)	6800P 16V M X TA26	
		C820	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C821	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C823	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C824	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C825	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C826	0CN1030F678	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C827	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C828	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C829	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C834	0CE4774C638	CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 6.3V 20% FM5 TP 5	
		C835	0CN2220K518	CAPACITOR TUBULA(HIGH DIELE)	2200F 50V K X TA26 S	
		C836	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C850	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C852	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C854	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C855	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C856	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C857	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C859	0CE2264F638	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C860	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C861	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C863	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C864	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C869	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C870	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C871	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C872	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C874	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C877	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C879	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C881	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C884	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C885	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		CS501	6600M000002	SWITCH,PUSH	MPU11810MLB0 MIC DC 5V 1MA D-3	
		D160	0DR104009AB	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
		D161	0DR104009AB	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
		D163	0DR104009AB	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
		D165	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D502	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D509	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D803	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		ES501	4931R-0050A	HOLDER ASSY	END	
		ES502	4931R-0050A	HOLDER ASSY	END	
		FL301	633-032N	COIL,IFT	BIAC OSC DEO-010 KWANGSUNG	
		IC160	0IPMGKE008B	IC,POWER MANAGEMENT	KIA78R08PI CU KEC 4P TO-220IS	
		IC161	0IPMGKE006B	IC,POWER MANAGEMENT	KIA78R33PI CU KEC 4P TO-220IS	
		IC162	0IPMGKE006B	IC,POWER MANAGEMENT	KIA78R33PI CU KEC 4P TO-220IS	
		IC164	0IPMGFA017A	IC,POWER MANAGEMENT	KA78R12TSTU FAIRCHILD 4P TO-22	
		IC301	0IHI118717A	IC,HITACHI	HA118717NF QFP100 BK AVCP 1CHI	
		IC501	0IMCRHY069A	IC,MICRO CONTROLLER	GMS3977R-BB68F HYNIX 100PIN QF	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		IC504	0IKE703100A	IC,KEC	KIA7031P 3P 3.1V RESET(TAPING)	
		IC505	0IKE704200B	IC,KEC	KIA7042P 3P 4.2V RESET(TAPING)	
		IC751	0ILNRMN002A	IC,LINEAR	MSP3425G MICRONAS 44 QFP TRAY	
		IC751	0ILNRMN002B	IC,LINEAR	MSP3425G-QG-B8-V3 MICRONAS 44	
		IC7A1	0IPRPSA007A	IC,PERIPHERALS	LC74785JM-9813 SANYO 24 SOP ST	
		IC801	0IPH960500A	IC,PHILIPS	TDA9605H QFP44 BK HIFI AMP+HIF	
		IC802	0IMT144300A	IC,MITSUMI	MM1443XJ SSOP-34 TP CANAL S/W	
		JK801	6612JH003DA	JACK,RCA	RCA-907A-01G YUQIU DIRECTV	
		L301	0LR1000K035	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L303	0LA2700K018	INDUCTOR AXIAL LEAD	270U K 2.3X3.4 L5 TP	
		L304	0LR1000J025	INDUCTOR,RADIAL LEAD	100UH 5 4X5 TR5	
		L306	0LA0122K018	INDUCTOR AXIAL LEAD	12M K 2.3X3.4 L5 TP	
		L311	0LA1000K018	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L312	0LR1000K035	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L505	0LR0102J0N5	INDUCTOR,RADIAL LEAD	10UH 5% TP 3X5 TR5	
		L506	635-027C	INDUCTOR,RADIAL LEAD	EL0405RA SKI150G-3 K-TDK 15UH	
		L702	0LR0102K035	INDUCTOR RADIAL LEAD	10M K 6X6 L5 TP	
		L704	0LR0102J0N5	INDUCTOR,RADIAL LEAD	10UH 5% TP 3X5 TR5	
		L705	0LR0102J0N5	INDUCTOR,RADIAL LEAD	10UH 5% TP 3X5 TR5	
		L706	0LA0392K018	INDUCTOR AXIAL LEAD	39M K 2.3X3.4 L5 TP	
		L707	0LR1000K035	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L801	0LR1000J025	INDUCTOR,RADIAL LEAD	100UH 5 4X5 TR5	
		L873	0LA1000K018	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L874	0LA1000K018	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L875	0LR1000J025	INDUCTOR,RADIAL LEAD	100UH 5 4X5 TR5	
		LD501	4931R-0017A	HOLDER ASSY	LED	
		MS501	6600JB8005B	SWITCH,MODE	NON 5V 1MA VERTICAL -G	
		MS501	6600JB8005C	SWITCH,MODE	MMS00721ZMB0 MIC 5VDC 1MA D-35	
		PMS01	561-7150	CONNECTOR (CIRC),WAFER	GIL-G-15P-S3T2-E LG CABLE 15P	
		Q163	0TR126809BA	TRANSISTOR,BIPOLARS	KTA1268-BL TP KEC	
		Q166	0TR320509AB	TRANSISTOR	KTC3205-TP-Y (KTC2236A)KEC	
		Q167	0TR127309AA	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q167	0TR928009AD	TRANSISTOR	KSA928A-Y,TO-92L TP SAMSUNG TO	
		Q168	0TR127309AA	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q168	0TR928009AD	TRANSISTOR	KSA928A-Y,TO-92L TP SAMSUNG TO	
		Q169	0TR319809AC	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC	
		Q169	0TR319909AF	TRANSISTOR,BIPOLARS	KTC3199-BL MINI TP KEC	
		Q169	0TR534309BA	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q301	0TR534409AA	TRANSISTOR	2SC5344Y TP	
		Q301	0TR320309AA	TRANSISTOR,BIPOLARS	KTC3203 KEC TP TO92 50V 150MA	
		Q302	0TR928009AD	TRANSISTOR	KSA928A-Y,TO-92L TP SAMSUNG TO	
		Q302	0TR127309AA	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q303	0TR100309AA	TRANSISTOR	KSR1003 TP (S/S)	
		Q303	0TR103009AE	TRANSISTOR	KRC103M-TP (KRC1203) KEC	
		Q303	0TR120309AE	TRANSISTOR	SRC1203 TP AUK TO92 22K,22K	
		Q304	0TR126709AC	TRANSISTOR	KTA1267-GR MINI TP KEC	
		Q304	0TR198009CA	TRANSISTOR	2SA1980G TP AUK TO92	
		Q304	0TR126609AE	TRANSISTOR	KTA1266-GR,TP(KTA1015),KEC	
		Q305	0TR319809AC	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC	
		Q305	0TR534309BA	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q305	0TR319909AF	TRANSISTOR,BIPOLARS	KTC3199-BL MINI TP KEC	
		Q306	0TR319809AC	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC	
		Q306	0TR534309BA	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q306	0TR319909AF	TRANSISTOR,BIPOLARS	KTC3199-BL MINI TP KEC	
		Q307	0TR200309AA	TRANSISTOR	KSR2003TA TP FAIRCHILD TO92	
		Q307	0TR103009AF	TRANSISTOR	KRA103M-TP (KRA2203) KEC	
		Q307	0TR220309AF	TRANSISTOR	SRA2203 TP AUK TO92 22K,22K	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		Q309	0TR126709AC	TRANSISTOR	KTA1267-GR MINI TP KEC	
		Q309	0TR126609AE	TRANSISTOR	KTA1266-GR,TP(KTA1015),KEC	
		Q309	0TR198009CA	TRANSISTOR	2SA1980G TP AUK TO92	
		Q501	0TR319809AC	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC	
		Q501	0TR319909AF	TRANSISTOR,BIPOLARS	KTC3199-BL MINI TP KEC	
		Q501	0TR534309BA	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q503	0TR126709AC	TRANSISTOR	KTA1267-GR MINI TP KEC	
		Q504	0TR319809AC	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC	
		Q504	0TR319909AF	TRANSISTOR,BIPOLARS	KTC3199-BL MINI TP KEC	
		Q504	0TR534309BA	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q505	0TR127309AA	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q507	0TR319809AC	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC	
		Q507	0TR534309BA	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q507	0TR319909AF	TRANSISTOR,BIPOLARS	KTC3199-BL MINI TP KEC	
		Q514	0TR120309AE	TRANSISTOR	SRC1203 TP AUK TO92 22K,22K	
		Q514	0TR103009AE	TRANSISTOR	KRC103M-TP (KRC1203) KEC	
		Q514	0TR100309AA	TRANSISTOR	KSR1003 TP (S/S)	
		Q515	0TR120309AE	TRANSISTOR	SRC1203 TP AUK TO92 22K,22K	
		Q515	0TR103009AE	TRANSISTOR	KRC103M-TP (KRC1203) KEC	
		Q515	0TR100309AA	TRANSISTOR	KSR1003 TP (S/S)	
		Q516	0TR120309AE	TRANSISTOR	SRC1203 TP AUK TO92 22K,22K	
		Q516	0TR103009AE	TRANSISTOR	KRC103M-TP (KRC1203) KEC	
		Q516	0TR100309AA	TRANSISTOR	KSR1003 TP (S/S)	
		Q517	0TR120309AE	TRANSISTOR	SRC1203 TP AUK TO92 22K,22K	
		Q517	0TR103009AE	TRANSISTOR	KRC103M-TP (KRC1203) KEC	
		Q517	0TR100309AA	TRANSISTOR	KSR1003 TP (S/S)	
		Q701	0TR120309AE	TRANSISTOR	SRC1203 TP AUK TO92 22K,22K	
		Q701	0TR100309AA	TRANSISTOR	KSR1003 TP (S/S)	
		Q701	0TR103009AE	TRANSISTOR	KRC103M-TP (KRC1203) KEC	
		Q801	0TR126709AC	TRANSISTOR	KTA1267-GR MINI TP KEC	
		Q802	0TR319809AC	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC	
		Q802	0TR534309BA	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q802	0TR319909AF	TRANSISTOR,BIPOLARS	KTC3199-BL MINI TP KEC	
		Q803	0TR319809AC	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC	
		Q803	0TR534309BA	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q803	0TR319909AF	TRANSISTOR,BIPOLARS	KTC3199-BL MINI TP KEC	
		R161	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R168	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R169	0RD1802F608	RESISTOR,FIXED CARBON FILM	18K OHM 1/6 W 5% TA26	
		R172	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R173	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R174	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R175	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R176	0RD3300F608	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R177	0RD3300F608	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R178	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R179	0RD3300F608	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R180	0RD3300F608	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R181	0RD4702F608	RESISTOR,FIXED CARBON FILM	47K OHM 1/6 W 5% TA26	
		R182	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R183	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R301	0RD3303F608	RESISTOR,FIXED CARBON FILM	330K OHM 1/6 W 5% TA26	
		R302	0RD1202F608	RESISTOR,FIXED CARBON FILM	12K OHM 1/6 W 5% TA26	
		R303	0RD1800F608	RESISTOR,FIXED CARBON FILM	180 OHM 1/6 W 5% TA26	
		R304	0RD4702F608	RESISTOR,FIXED CARBON FILM	47K OHM 1/6 W 5% TA26	
		R305	0RD2202F608	RESISTOR,FIXED CARBON FILM	22K OHM 1/6 W 5% TA26	
		R308	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		R309	0RD1501F608	RESISTOR,FIXED CARBON FILM	1.5K OHM 1/6 W 5% TA26	
		R310	0RD2701F608	RESISTOR,FIXED CARBON FILM	2.7K OHM 1/6 W 5% TA26	
		R311	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R312	0RD4702F608	RESISTOR,FIXED CARBON FILM	47K OHM 1/6 W 5% TA26	
		R313	0RD1202F608	RESISTOR,FIXED CARBON FILM	12K OHM 1/6 W 5% TA26	
		R314	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R315	0RD2701F608	RESISTOR,FIXED CARBON FILM	2.7K OHM 1/6 W 5% TA26	
		R316	0RD5601F608	RESISTOR,FIXED CARBON FILM	5.6K OHM 1/6 W 5% TA26	
		R317	0RD5601F608	RESISTOR,FIXED CARBON FILM	5.6K OHM 1/6 W 5% TA26	
		R320	0RD3902F608	RESISTOR,FIXED CARBON FILM	39K OHM 1/6 W 5% TA26	
		R321	0RD1202F608	RESISTOR,FIXED CARBON FILM	12K OHM 1/6 W 5% TA26	
		R322	0RD6801F608	RESISTOR,FIXED CARBON FILM	6.8K OHM 1/6 W 5% TA26	
		R324	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R325	0RD1801F608	RESISTOR,FIXED CARBON FILM	1.8K OHM 1/6 W 5% TA26	
		R326	0RD3302F608	RESISTOR,FIXED CARBON FILM	33K OHM 1/6 W 5% TA26	
		R327	0RD2701F608	RESISTOR,FIXED CARBON FILM	2.7K OHM 1/6 W 5% TA26	
		R328	0RD1501F608	RESISTOR,FIXED CARBON FILM	1.5K OHM 1/6 W 5% TA26	
		R332	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R333	0RD5601F608	RESISTOR,FIXED CARBON FILM	5.6K OHM 1/6 W 5% TA26	
		R334	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R336	0RD6800F608	RESISTOR,FIXED CARBON FILM	680 OHM 1/6 W 5% TA26	
		R338	0RD2700F608	RESISTOR,FIXED CARBON FILM	270 OHM 1/6 W 5% TA26	
		R340	0RD0221F608	RESISTOR,FIXED CARBON FILM	2.2 OHM 1/6 W 5% TA26	
		R341	0RD0221F608	RESISTOR,FIXED CARBON FILM	2.2 OHM 1/6 W 5% TA26	
		R342	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R346	0RD2204F608	RESISTOR,FIXED CARBON FILM	2.2M OHM 1/6 W 5.00% TA26	
		R353	0RD1801F608	RESISTOR,FIXED CARBON FILM	1.8K OHM 1/6 W 5% TA26	
		R501	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R502	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R503	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R504	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R505	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R507	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R508	0RD2701F608	RESISTOR,FIXED CARBON FILM	2.7K OHM 1/6 W 5% TA26	
		R509	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R510	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R511	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R512	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R514	0RD1803F608	RESISTOR,FIXED CARBON FILM	180K OHM 1/6 W 5.00% TA26	
		R515	0RD2700F608	RESISTOR,FIXED CARBON FILM	270 OHM 1/6 W 5% TA26	
		R516	0RD5603F608	RESISTOR,FIXED CARBON FILM	560K OHM 1/6 W 5.00% TA26	
		R517	0RD1004F608	RESISTOR,FIXED CARBON FILM	1M OHM 1/6 W 5% TA26	
		R518	0RD5600F608	RESISTOR,FIXED CARBON FILM	560 OHM 1/6 W 5% TA26	
		R519	0RD2702F608	RESISTOR,FIXED CARBON FILM	27K OHM 1/6 W 5% TA26	
		R520	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R521	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R522	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R523	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R525	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R526	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R527	0RD5600F608	RESISTOR,FIXED CARBON FILM	560 OHM 1/6 W 5% TA26	
		R528	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R529	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R530	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R531	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R532	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R533	0RD0222F608	RESISTOR,FIXED CARBON FILM	22 OHM 1/6 W 5% TA26	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		R534	0RD1004F608	RESISTOR,FIXED CARBON FILM	1M OHM 1/6 W 5% TA26	
		R535	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R537	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R539	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R540	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R541	0RD4703F608	RESISTOR,FIXED CARBON FILM	470K OHM 1/6 W 5% TA26	
		R542	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R543	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R544	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R545	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R546	0RD5601F608	RESISTOR,FIXED CARBON FILM	5.6K OHM 1/6 W 5% TA26	
		R547	0RD1004F608	RESISTOR,FIXED CARBON FILM	1M OHM 1/6 W 5% TA26	
		R548	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R549	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R550	0RD2200F608	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R552	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R553	0RD2200F608	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R555	0RD2200F608	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R556	0RD2202F608	RESISTOR,FIXED CARBON FILM	22K OHM 1/6 W 5% TA26	
		R557	0RD2702F608	RESISTOR,FIXED CARBON FILM	27K OHM 1/6 W 5% TA26	
		R558	0RD2202F608	RESISTOR,FIXED CARBON FILM	22K OHM 1/6 W 5% TA26	
		R559	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R560	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R561	0RD5600F608	RESISTOR,FIXED CARBON FILM	560 OHM 1/6 W 5% TA26	
		R562	0RD5600F608	RESISTOR,FIXED CARBON FILM	560 OHM 1/6 W 5% TA26	
		R563	0RD2703F608	RESISTOR,FIXED CARBON FILM	270K OHM 1/6 W 5% TA26	
		R564	0RD2702F608	RESISTOR,FIXED CARBON FILM	27K OHM 1/6 W 5% TA26	
		R566	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R567	0RD8200F608	RESISTOR,FIXED CARBON FILM	820 OHM 1/6 W 5% TA26	
		R568	0RD6803F608	RESISTOR,FIXED CARBON FILM	680K OHM 1/6 W 5.00% TA26	
		R569	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R575	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R576	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R577	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R578	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R579	0RD2203F608	RESISTOR,FIXED CARBON FILM	220K OHM 1/6 W 5% TA26	
		R580	0RD5601F608	RESISTOR,FIXED CARBON FILM	5.6K OHM 1/6 W 5% TA26	
		R581	0RD6802F608	RESISTOR,FIXED CARBON FILM	68K OHM 1/6 W 5% TA26	
		R582	0RD1202F608	RESISTOR,FIXED CARBON FILM	12K OHM 1/6 W 5% TA26	
		R583	0RD5602F608	RESISTOR,FIXED CARBON FILM	56K OHM 1/6 W 5% TA26	
		R584	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R585	0RD6802F608	RESISTOR,FIXED CARBON FILM	68K OHM 1/6 W 5% TA26	
		R586	0RD1203F608	RESISTOR,FIXED CARBON FILM	120K OHM 1/6 W 5% TA26	
		R587	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R588	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R589	0RD1004F608	RESISTOR,FIXED CARBON FILM	1M OHM 1/6 W 5% TA26	
		R5B1	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R5B3	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R5B4	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R5B5	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R5C5	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R5C6	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R5C7	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R5C9	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R5E7	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R5E8	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R701	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		R704	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R705	0RD2200F608	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R706	0RD2200F608	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R707	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R710	0RD3301F608	RESISTOR,FIXED CARBON FILM	3.3K OHM 1/6 W 5% TA26	
		R711	0RD3301F608	RESISTOR,FIXED CARBON FILM	3.3K OHM 1/6 W 5% TA26	
		R712	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R713	0RD5601F608	RESISTOR,FIXED CARBON FILM	5.6K OHM 1/6 W 5% TA26	
		R715	0RD3901F608	RESISTOR,FIXED CARBON FILM	3.9K OHM 1/6 W 5% TA26	
		R716	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R717	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R718	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R7A1	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R7A2	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R7A3	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R7A4	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R7A5	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R7A6	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R801	0RD3304F608	RESISTOR,FIXED CARBON FILM	3.3M OHM 1/6 W 5.00% TA26	
		R802	0RD3302F608	RESISTOR,FIXED CARBON FILM	33K OHM 1/6 W 5% TA26	
		R803	0RD2701F608	RESISTOR,FIXED CARBON FILM	2.7K OHM 1/6 W 5% TA26	
		R804	0RD3902F608	RESISTOR,FIXED CARBON FILM	39K OHM 1/6 W 5% TA26	
		R805	0RD2701F608	RESISTOR,FIXED CARBON FILM	2.7K OHM 1/6 W 5% TA26	
		R806	0RD3302F608	RESISTOR,FIXED CARBON FILM	33K OHM 1/6 W 5% TA26	
		R807	0RD4700F608	RESISTOR,FIXED CARBON FILM	470 OHM 1/6 W 5% TA26	
		R808	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R809	0RD1802F608	RESISTOR,FIXED CARBON FILM	18K OHM 1/6 W 5% TA26	
		R810	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R811	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R812	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R821	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R822	0RD2202F608	RESISTOR,FIXED CARBON FILM	22K OHM 1/6 W 5% TA26	
		R823	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R824	0RD2202F608	RESISTOR,FIXED CARBON FILM	22K OHM 1/6 W 5% TA26	
		R825	0RD6801F608	RESISTOR,FIXED CARBON FILM	6.8K OHM 1/6 W 5% TA26	
		R826	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R831	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R832	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R850	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R851	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R852	0RD0752F608	RESISTOR,FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		R853	0RD0752F608	RESISTOR,FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		R854	0RD5600F608	RESISTOR,FIXED CARBON FILM	560 OHM 1/6 W 5% TA26	
		R855	0RD5600F608	RESISTOR,FIXED CARBON FILM	560 OHM 1/6 W 5% TA26	
		R856	0RD5600F608	RESISTOR,FIXED CARBON FILM	560 OHM 1/6 W 5% TA26	
		R857	0RD5600F608	RESISTOR,FIXED CARBON FILM	560 OHM 1/6 W 5% TA26	
		R861	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R862	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R869	0RD3300F608	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R870	0RD3300F608	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R871	0RD5600F608	RESISTOR,FIXED CARBON FILM	560 OHM 1/6 W 5% TA26	
		R878	0RD3300F608	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R879	0RD3300F608	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		RS501	6500RAB003A	SENSOR	SG-260 KODENSHI D33 REEL SENSO	
		RS501	6500RAB007A	SENSOR	GP1S566V SHARP REEL SENSOR OF	
		RS502	6500RAB003A	SENSOR	SG-260 KODENSHI D33 REEL SENSO	
		RS502	6500RAB007A	SENSOR	GP1S566V SHARP REEL SENSOR OF	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		TU701	6700NFNL03B	TUNER	NTSC TADC-H207F LG NTSC FS KOR	
		X301	6202R-AJ04C	RESONATOR,CRYSTAL	HC-49U BUBANG 3.579620MHZ 15PP	
		X301	6212AA2357F	RESONATOR,CRYSTAL	HC-49U KITELCO 3.579620MHZ +/-	
		X501	6202R31001E	RESONATOR,CRYSTAL	ATS SSANG TAE 10000000HZ 30PP	
		X501	6202R31001F	RESONATOR,CRYSTAL	HC-49S KEUMSEOK 10-0000MHZ 30P	
		X502	529-001K	RESONATOR,CRYSTAL	- SEIKO 32-768KHZ - -	
		X751	529-021Q	RESONATOR,CRYSTAL	49U BUBANG 18432000HZ 30PPM 16	
		ZD161	0DZ560009CB	DIODE,ZENER	MTZ5.6C TP(26MM) ROHM 5.6V	
		ZD161	0DZ562609AB	DIODE,ZENER	UZ-5.6BSC 26MM TP PYUNG CHANG	
		ZD503	0DZ682609BA	DIODE,ZENER	UZ-6.8BSC 26MM TP PYUNG CHANG	
		ZD503	0DZ682609AB	DIODE,ZENER	GDZJ6.8C 26MM TP GRANDE DO34	
		ZD503	0DZ680009CA	DIODE ZENER	MTZ6.8C TP ROHM-K	
	A49	**(PWB(PCB) ASSEMBLY)**				
		A49	6871R-2650B	PWB(PCB) ASSEMBLY,TOTAL	DT-550. (KEY) .	
		C601	0CN1050K948	CAPACITOR,TUBULAR(HIGH DIELEC)	1UF 50V Z F TA26 D	
		C602	0CE4774C638	CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 6.3V 20% FM5 TP 5	
		C603	0CN223AK948	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C604	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C606	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C609	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C610	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		DG601	6302RCV204A	DIGITRON	VFD25-1209FN ZEC SEG VFD VCR D	
		IC601	0IPRPNE001A	IC,PERIPHERALS	UPD16315GB-3BS NEC 44 QFP BK F	
		L601	0LR8200J025	INDUCTOR,RADIAL LEAD	820UH 5% 4X5 TR5	
		LED602	0DL112000AK	DIODE,LED	DL-11S2GNS(SUPPER,GREEN,03)KOC	
		LED603	0DL112000AK	DIODE,LED	DL-11S2GNS(SUPPER,GREEN,03)KOC	
		R601	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R602	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R603	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R604	0RD6802F608	RESISTOR,FIXED CARBON FILM	68K OHM 1/6 W 5% TA26	
		R605	0RD3300F608	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R606	0RD0471F608	RESISTOR,FIXED CARBON FILM	4.7 OHM 1/6 W 5% TA26	
		R607	0RD0471F608	RESISTOR,FIXED CARBON FILM	4.7 OHM 1/6 W 5% TA26	
		R608	0RD0122F608	RESISTOR,FIXED CARBON FILM	12 OHM 1/6 W 5.00% TA26	
		R609	0RD0122F608	RESISTOR,FIXED CARBON FILM	12 OHM 1/6 W 5.00% TA26	
		R612	0RD6800F608	RESISTOR,FIXED CARBON FILM	680 OHM 1/6 W 5% TA26	
		R613	0RD8200F608	RESISTOR,FIXED CARBON FILM	820 OHM 1/6 W 5% TA26	
		R614	0RD1201F608	RESISTOR,FIXED CARBON FILM	1.2K OHM 1/6 W 5% TA26	
		R615	0RD1501F608	RESISTOR,FIXED CARBON FILM	1.5K OHM 1/6 W 5% TA26	
		R616	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R617	0RD3301F608	RESISTOR,FIXED CARBON FILM	3.3K OHM 1/6 W 5% TA26	
		R618	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R619	0RD8201F608	RESISTOR,FIXED CARBON FILM	8.2K OHM 1/6 W 5% TA26	
		R630	0RD1500F608	RESISTOR,FIXED CARBON FILM	150 OHM 1/6 W 5% TA26	
		R631	0RD1500F608	RESISTOR,FIXED CARBON FILM	150 OHM 1/6 W 5% TA26	
		R642	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R643	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		RC601	6712R1238GA	REMOTE CONTROLLER RECEIVER	TSOP2238YA1 VISHAY 38KHZ 12MM	
		SW601	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW602	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW603	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW604	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW605	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW606	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW607	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW608	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW609	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		VR601	6110S-ET01A	VOLUME,ENCODER	EC16B242040M ALPS - D=16 V 24	
A42 (PWB(PCB) ASSEMBLY)						
		A42	6871R-2660B	PWB(PCB) ASSEMBLY,TOTAL	DT-550 RIGHT KEY .	
		C611	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C612	0CN1020K518	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		JK601	6612JH003AC	JACK,RCA	BJP-113D BAE EUN YELLOW	
		JK602	6612JH003AB	JACK,RCA	BJP-113C BAE EUN WHITE	
		JK603	6612JH003AA	JACK,RCA	BJP-113B BAE EUN RED	
		L602	0LR1000K035	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L603	0LR1000K035	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		LED601	0DL112000AJ	DIODE,LED	DL-11S2RNS(SUPER,RED,03)KOC	
		R632	0RD3301F608	RESISTOR,FIXED CARBON FILM	3.3K OHM 1/6 W 5% TA26	
		R633	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R634	0RD1501F608	RESISTOR,FIXED CARBON FILM	1.5K OHM 1/6 W 5% TA26	
		R635	0RD1201F608	RESISTOR,FIXED CARBON FILM	1.2K OHM 1/6 W 5% TA26	
		R636	0RD8200F608	RESISTOR,FIXED CARBON FILM	820 OHM 1/6 W 5% TA26	
		R637	0RD6800F608	RESISTOR,FIXED CARBON FILM	680 OHM 1/6 W 5% TA26	
		R640	0RD1500F608	RESISTOR,FIXED CARBON FILM	150 OHM 1/6 W 5% TA26	
		R641	0RD0752F608	RESISTOR,FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		SW631	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW631	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW632	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW632	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW633	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW633	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW634	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW634	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW635	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW635	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW636	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW636	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW637	556-219B	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW637	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
DVD SIDE						
A46A (SUB PWB(PCB) ASSEMBLY)						
		A46A	6885R-0273C	SUB ASSY		
		C201	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C202	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C203	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C204	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C205	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C206	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C207	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C208	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C209	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C210	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C211	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C212	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C213	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C214	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C215	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C216	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C224	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C225	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C226	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C229	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C230	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		C231	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C232	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C238	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C239	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C240	0CH1222K562	CAPACITOR,CHIP[CERAMIC M/L HD	2200PF 50V K X7R(X) 1608 R/TP	
		C242	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C245	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C251	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C252	0CH4100K112	CHIP CAPA CERAMIC M/L T.C F/S	10P 50V D COG 1.6X0.8 R/TP	
		C253	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C254	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C255	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C258	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C261	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C262	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C263	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C264	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C265	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C272	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C273	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C274	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C278	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C279	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C280	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C281	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C284	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C285	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C286	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C287	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C288	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C290	0CH4180K412	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C291	0CH4180K412	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C292	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C293	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C294	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C295	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C296	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A0	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2A3	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A4	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2A5	0CH1683F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 16V 80%,-20% Y5V(F) 16	
		C2A6	0CH1102K562	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2A7	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A8	0CH1152K562	CAPACITOR,FIXED CERAMIC(Temp.c	1500PF 50V 10% X7R(X) 1608 R/T	
		C2A9	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2B3	0CH1392K562	CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C2B4	0CH1683F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 16V 80%,-20% Y5V(F) 16	
		C2B5	0CH1333K562	CAPACITOR,CHIP[CERAMIC M/L HD	0.033UF 50V K X7R(X) 1508 R/TP	
		C2B9	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C1	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C2C2	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2C3	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C4	0CH1102K562	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2C5	0CH1332K562	CAPACITOR,CHIP[CERAMIC M/L HD	3300P 50V K X7R 1.6X0.8 R/TP	
		C2C6	0CH1102K562	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2C8	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C9	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	

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		C2D0	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D1	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D2	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D3	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D4	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D5	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2D6	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D7	0CH1152K562	CAPACITOR,FIXED CERAMIC(Temp.c	1500PF 50V 10% X7R(X) 1608 R/T	
		C2D9	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2E1	0CH4470K412	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E2	0CH4470K412	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E3	0CH4470K412	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E4	0CH4470K412	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2M1	0CE1074F638	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C2M2	0CH1682K562	CAPACITOR,CHIP[CERAMIC M/L HD	6800P 50V K X7R 1.6X0.8 R/TP	
		C2M3	0CH1472K562	CAPACITOR,CHIP[CERAMIC M/L HD	4700PF 50V K X7R(X) 1608 R/TP	
		C2M4	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M5	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M6	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M7	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M8	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M9	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2N1	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2N3	0CH1223K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.022UF 50V Z Y5V(F) 1508 R/TP	
		C2N4	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C301	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C302	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C303	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C304	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C305	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C306	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C307	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C308	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C309	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C314	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C316	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C317	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C318	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C319	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C320	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C399	0CQ1042K409	CAPACITOR,FIXED FILM	0.1UF S 50V J PE TP	
		C3F1	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C3F2	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C401	0CE2264F638	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C402	0CE2264F638	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C403	0CE2264F638	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C404	0CE2264F638	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C405	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C406	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C408	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C409	0CE2274C638	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C410	0CH4271K412	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C411	0CH1102K512	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% B(5YP) 1608 R/T	
		C412	0CH4271K412	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C413	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C414	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C415	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		C416	0CH1102K512	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% B(5YP) 1608 R/T	
		C417	0CH4271K412	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C418	0CH1392K562	CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C419	0CE2264F638	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C420	0CH1392K562	CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C421	0CE2264F638	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C422	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C423	0CH4271K412	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C424	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C425	0CE1074F638	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C426	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C427	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C428	0CH1104K944	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 80%,-20% Y5V(F) 3216	
		C429	0CH1104K944	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 80%,-20% Y5V(F) 3216	
		C430	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C431	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C432	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C433	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C434	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C435	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C461	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C462	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C463	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C464	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C465	0CH4100K112	CHIP CAPA CERAMIC M/L T.C F/S	10P 50V D COG 1.6X0.8 R/TP	
		C466	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C467	0CH4100K112	CHIP CAPA CERAMIC M/L T.C F/S	10P 50V D COG 1.6X0.8 R/TP	
		C501	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C503	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C504	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C506	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C507	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C508	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C509	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C510	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C511	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C512	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C513	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C514	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C515	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C516	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C517	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C518	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C519	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C520	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C521	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C522	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C523	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C525	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C526	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C527	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C528	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C529	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C530	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C531	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C532	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C533	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		C534	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C535	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C536	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C538	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C540	0CH4180K412	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C541	0CH4270K412	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C542	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C543	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C544	0CH1225F944	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C546	0CH4221K412	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C549	0CH4221K412	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C550	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C553	0CH4221K412	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C562	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C603	0CE1074F638	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C606	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C614	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C616	0CH1104K516	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 2012 R/TP	
		C663	0CE2264F638	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C664	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C665	0CE4776D618	CAPACITOR,ELECTROLYTIC	470M SMS 10V M FL TP(5)	
		C666	0CH1104F942	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		D2A1	0DS202009CA	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D2A2	0DS202009CA	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D2A3	0DS202009CA	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D603	0DS202009CA	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D604	0DS202009CA	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		F602	6200HJC901A	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F603	6200HJC901A	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F604	6200HJC901A	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F608	6200HJC901A	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F609	6200HJC901A	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F610	6200HJC901A	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		IC201	0ILNRHY002B	IC,LINEAR	HDC25D811B HYUNDAI 208 QFP TRA	
		IC203	0IEB121616B	IC,ELITE MEMORY TECHNOLOGY	M12L16161A-7T-L 50PIN TSOP TRA	
		IC203	0IEB121616A	IC,ELITE MEMORY TECHNOLOGY	M12L16161A-7T 50P TSOP ST 16M(	
		IC206	GITO704000F	IC,TOSHIBA	TC7W04FU	
		IC2A1	0ILNRHI003A	IC,LINEAR	HD153702TF HITACHI 64 TQFP TRA	
		IC2A2	0IJR341400C	IC,JRC	NJM3414AM-TE1,3K/REEL. JRC	
		IC2A4	0IKE393000G	IC,KEC	KIA393F-EL FLP-8 TP DUAL COMPA	
		IC2M1	0ILNRFA013A	IC,LINEAR	FAN8004 FAIRCHILD 48 QFP TRAY	
		IC301	0IXL957210C	IC,XILINX	XC9572XL-10TQ100C 100 QFP TRAY	
		IC301	0ICTMHY011A	IC,CUSTOMIZED	HS353106 HYNIX 100 TQFP TRAY C	
		IC3F1A	6957R-585AJ	PROGRAM	DT-587M.USA .	
		IC305	0IHY576532A	IC,HYUNDAI	HY57V653220CTC-7 86P TSOP BK S	
		IC305	0IMMREB005A	IC,MEMORIES	M12L64322A-7T ELITE MEMORY TEC	
		IC305	0IMMRHY025A	IC,MEMORIES	HY57643220CT-7I HYUNDAI 86P TS	
		IC401	0IPRPCI003B	IC,PERIPHERALS	CS4391-KZR CIRRUS LOGIC 20 TSS	
		IC402	0IJR458000B	IC,JRC	NJM4580M 8,DMP8 TP OP AMP 2K/R	
		IC403	0ICB533100A	IC,CRYSTAL SEMICONDUCTOR	CS5331A-KSR 8SOIC TP ADC -	
		IC404	0IPRPCI005A	IC,PERIPHERALS	CS8405A-CSR CIRRUS LOGIC 28 SO	
		IC405	0IKE704200B	IC,KEC	KIA7042P 3P 4.2V RESET(TAPING)	
		IC406	0IJR458000B	IC,JRC	NJM4580M 8,DMP8 TP OP AMP 2K/R	
		IC501	0INS860100A	IC,NATIONAL SEMICONDUCTOR	NDV8601 240 VQFP BK MICOM+MPEG	
		IC502	0IMMRCB001A	IC,MEMORIES	CAT93C56S-TE13 CRYSTAL SEMICON	
		IC502	0IMMRAL012A	IC,MEMORIES	AT93C56-10SC(SI)-2.7-8S1 ATMEL	
		IC503	0IFA742440F	IC,FAIRCHILD	MM74HCT244SJ 20P SOIC TP 3-STA	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		IC506	0IPMGRH003A	IC,POWER MANAGEMENT	BA18BC0FP-E2 ROHM 3P TO252-3 R	
		IC601	0IPRPMT002A	IC,PERIPHERALS	MM1510XNRE MITSUMI 6,SOT-26A R	
		JK601	6612BBBHN5A	JACK,DIN	SCN556S4GTTB000 S-VIDEO HYUSUN	
		JK602	6612R-L002A	JACK,FIBER OPTIC	TORX178 TOSHIBA	
		PDA01	563-638E	CONNECTOR ASSY	SPECIAL RING TER. AY 1007#24 G	
		Q2A1	0TR103709BB	TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		Q2A2	0TR103709BB	TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		Q2A5	0TR388209AA	TRANSISTOR,BIPOLARS	CHIP KTC3882 SOT-23 TP KEC - -	
		Q2A6	0TR388209AA	TRANSISTOR,BIPOLARS	CHIP KTC3882 SOT-23 TP KEC - -	
		Q2M1	0TR124009AP	TRANSISTOR	DTC124EK TP ROHM KOREA SOT23 3	
		Q605	0TR103009AC	TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		Q606	0TR103009AC	TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		Q607	0TR387509AC	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q608	0TR387509AC	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q615	0TR103709BB	TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		R201	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R202	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R203	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R204	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R207	0RH1004C622	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 16 W 1608 5.00% D	
		R217	0RH0102C622	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R218	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R219	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R220	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R230	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R231	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R232	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R233	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R234	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R235	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R236	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R237	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R239	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R240	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R241	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R242	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R243	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R252	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R273	0RH1501C622	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		R274	0RH6200C622	RESISTOR,METAL GLAZED(CHIP)	620 OHM 1 / 16 W 1608 5.00% D	
		R275	0RH1501C622	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		R276	0RH9100C622	RESISTOR,METAL GLAZED(CHIP)	910 OHM 1 / 16 W 1608 5.00% D	
		R277	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R278	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R279	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R281	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R290	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R292	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R293	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2A1	0RH0912C622	RESISTOR,METAL GLAZED(CHIP)	91 OHM 1 / 16 W 1608 5.00% D	
		R2A2	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2A6	0RH1202C622	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2A9	0RH5602C622	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 16 W 1608 5.00% D	
		R2B0	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B1	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B2	0RH0182C622	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B3	0RH0182C622	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		R2B4	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2B5	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B6	0RH0182C622	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B7	0RH0182C622	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B8	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2B9	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C0	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C4	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2C5	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2C6	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C7	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C8	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C9	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D0	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D1	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2D2	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2D3	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D4	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D5	0RH6801C622	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R2D6	0RH0912C622	RESISTOR,METAL GLAZED(CHIP)	91 OHM 1 / 16 W 1608 5.00% D	
		R2D8	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D9	0RH5602C622	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 16 W 1608 5.00% D	
		R2E6	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2E7	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2E8	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2F1	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R2F2	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R2F3	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2F4	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2F5	0RH2202C622	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		R2F6	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2F7	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2F8	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2F9	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G1	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G2	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G3	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2G4	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2G7	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2G9	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R2M1	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M2	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M3	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R2M5	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M6	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M7	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M8	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M9	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N0	0RH1202C622	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2N1	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N2	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2N3	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N4	0RH1502C622	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R2N5	0RH1202C622	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2N6	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N7	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N8	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		R2N9	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P0	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R2P1	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P2	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P3	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P7	0RH2202C622	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		R2P8	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R2P9	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R2Q1	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2R1	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2R2	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R303	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R306	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R307	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R308	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R309	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R310	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R314	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R315	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R316	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R317	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R318	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R319	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R320	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R321	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R322	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R323	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R327	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R364	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R365	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R366	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R367	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R3F1	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R3F2	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R3F3	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R3F4	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R3F5	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R401	0RH0182C622	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R403	0RH0102C622	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R404	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R405	0RH1801C622	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R406	0RH1801C622	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R407	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R409	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R410	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R411	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R412	0RH1801C622	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R413	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R414	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R415	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R416	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R417	0RH1801C622	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R418	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R419	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R420	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R421	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R422	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		R428	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R429	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R430	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R431	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R432	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R433	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R434	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R435	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R436	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R437	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R438	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R439	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R440	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R441	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R442	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R443	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R444	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R445	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R446	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R447	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R448	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R450	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R452	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R453	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R454	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R460	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R461	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R462	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R463	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R464	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R465	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R466	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R467	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R468	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R501	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R503	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R504	0RH1000C422	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 1.00% D	
		R505	0RH0102C622	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R506	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R514	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R515	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R516	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R520	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R521	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R522	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R523	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R524	0RH1801C622	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R525	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R530	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R531	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R532	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R533	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R534	0RH6800C622	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R535	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R541	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R588	0RJ0372C477	RESISTOR,METAL GLAZED(CHIP)	37.4 OHM 1/16 W 1% 1608 R/TP	
		R589	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		R590	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R591	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R597	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R605	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R606	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R607	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R608	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R609	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R610	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R611	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R612	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R622	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R623	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R625	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R626	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R627	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R652	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R653	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R674	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R675	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R676	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		SW601	6600R-SH18A	SWITCH,TACT	CSS-4206 CHANG SHIN NON DC 30V	
		X201	6202R-BM04C	RESONATOR,CRYSTAL	HC-49/S BUBANG 33-8688MHZ 5	
		X401	6204R-HK01C	OSCILLATOR,STD	KXO-210 BUBANG AXIAL 12.288MHZ	
		X501	6202R-BL06C	RESONATOR,CRYSTAL	HC-49/S BUBANG 27MHZ 20PPM 1	
AMP SIDE						
	A46B (PWB(PCB) ASSEMBLY)					
		A46B	6871R-3850D	PWB(PCB) ASSEMBLY,TOTAL	WOOFER N.AMERICA (50/100)	
⚠		C101	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
⚠		C102	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C103	0CH4330K412	CAPACITOR,CHIP[CERAMIC M/L TC	33P 50V J COG 1.6X0.8 R/TP	
		C104	0CH4330K412	CAPACITOR,CHIP[CERAMIC M/L TC	33P 50V J COG 1.6X0.8 R/TP	
		C105	0CE4776D618	CAPACITOR,ELECTROLYTIC	470M SMS 10V M FL TP(5)	
		C108	0CE1074H638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 25V 20% FM5 TP 5	
		C109	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C110	0CE4763C638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRE,SE 6.3V 20% FM5 TP 5	
		C121	0CH4100K412	CAPACITOR,CHIP[CERAMIC M/L TC	10PF 50V J NP0 1608 R/TP	
⚠		C122	0CH4100K412	CAPACITOR,CHIP[CERAMIC M/L TC	10PF 50V J NP0 1608 R/TP	
		C124	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C125	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C126	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C127	0CE1074F638	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C128	0CH1104K942	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C129	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C130	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C131	0CH1473H942	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T	
		C132	0CH1473H942	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T	
		C133	0CE4766F618	CAPACITOR,ELECTROLYTIC	47M SMS 16V M FL TP(5)	
		C134	0CE4776D618	CAPACITOR,ELECTROLYTIC	470M SMS 10V M FL TP(5)	
		C135	0CE4776D618	CAPACITOR,ELECTROLYTIC	470M SMS 10V M FL TP(5)	
		C136	0CE4776D618	CAPACITOR,ELECTROLYTIC	470M SMS 10V M FL TP(5)	
		C146	0CE4774F638	CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 16V 20% FM5 TP 5	
		C147	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C201	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C202	0CE1076D618	CAPACITOR,ELECTROLYTIC	100M SMS 10V M FM5 TP(5)	
		C203	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C204	0CE1056K618	CAPACITOR,ELECTROLYTIC	1.0M SMS 50V M FL TP(5)	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		C205	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C206	0CE1056K618	CAPACITOR,ELECTROLYTIC	1.0M SMS 50V M FL TP(5)	
		C207	0CE1056K618	CAPACITOR,ELECTROLYTIC	1.0M SMS 50V M FL TP(5)	
		C208	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C209	0CK1040K945	CAPACITOR,CERAMIC (HIGH DIELEC	0.1M 50V Z F TS	
		C210	0CH1471K562	CAPACITOR,FIXED CERAMIC(Temp.c	470PF 50V 10% X7R(X) 1608 R/TP	
		C211	0CQ1031N409	CAPACITOR POLYESTER(MYLAR)	0.01UF 100V J PE TP	
		C212	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C213	0CE4766F618	CAPACITOR,ELECTROLYTIC	47M SMS 16V M FL TP(5)	
		C214	0CE2256K618	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SMS,SG 50V 20% FL TP 5	
		C226	0CE4766F618	CAPACITOR,ELECTROLYTIC	47M SMS 16V M FL TP(5)	
		C227	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C228	0CE4766F618	CAPACITOR,ELECTROLYTIC	47M SMS 16V M FL TP(5)	
		C229	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C230	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C231	0CH1472K562	CAPACITOR,CHIP[CERAMIC M/L HD	4700PF 50V K X7R(X) 1608 R/TP	
		C232	0CQ1044K409	CAPACITOR,FIXED FILM	0.1UF TE 50V 5% PE TP5	
		C233	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C235	0CK1040K945	CAPACITOR,CERAMIC (HIGH DIELEC	0.1M 50V Z F TS	
		C236	0CE4766F618	CAPACITOR,ELECTROLYTIC	47M SMS 16V M FL TP(5)	
		C237	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C250	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C299	0CE4766F618	CAPACITOR,ELECTROLYTIC	47M SMS 16V M FL TP(5)	
		C301	0CE4776D618	CAPACITOR,ELECTROLYTIC	470M SMS 10V M FL TP(5)	
		C302	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C303	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C304	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C305	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C306	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C307	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C308	0CH1102K562	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C309	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C310	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C311	0CK1040K945	CAPACITOR,CERAMIC (HIGH DIELEC	0.1M 50V Z F TS	
		C312	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C313	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C314	0CH1102K562	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C315	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C316	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C317	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C318	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C319	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C320	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C321	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C322	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C323	0CE1076D618	CAPACITOR,ELECTROLYTIC	100M SMS 10V M FM5 TP(5)	
		C324	0CH1473H942	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T	
		C325	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C326	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C327	0CE1064F638	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C700	0CE228EK650	CAPACITOR,FIXED ELECTROLYTIC	2200UF KMG 50V 20% FM7.5 BULK	
		C701	0CE228EK650	CAPACITOR,FIXED ELECTROLYTIC	2200UF KMG 50V 20% FM7.5 BULK	
		C710	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C711	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C712	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C713	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C714	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		C715	0CK105EK94A	CAPACITOR,FIXED CERAMIC(High d	1UF 3216 50V 80%,-20% R/TP F(Y	
		C716	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C717	0CH4331K416	CAPACITOR,CHIP[CERAMIC M/L TC	330P 50V J NP0 2.0X1.2 R/TP	
		C718	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C719	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C725	0CK105EK94A	CAPACITOR,FIXED CERAMIC(High d	1UF 3216 50V 80%,-20% R/TP F(Y	
		C726	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C727	0CH4331K416	CAPACITOR,CHIP[CERAMIC M/L TC	330P 50V J NP0 2.0X1.2 R/TP	
		C728	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C729	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C730	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C731	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C732	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C733	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C734	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C735	0CK105EK94A	CAPACITOR,FIXED CERAMIC(High d	1UF 3216 50V 80%,-20% R/TP F(Y	
		C736	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C737	0CH4331K416	CAPACITOR,CHIP[CERAMIC M/L TC	330P 50V J NP0 2.0X1.2 R/TP	
		C738	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C739	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C745	0CK105EK94A	CAPACITOR,FIXED CERAMIC(High d	1UF 3216 50V 80%,-20% R/TP F(Y	
		C746	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C747	0CH4331K416	CAPACITOR,CHIP[CERAMIC M/L TC	330P 50V J NP0 2.0X1.2 R/TP	
		C748	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C749	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C750	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C751	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C752	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C753	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C754	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C755	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C756	0CK105EK94A	CAPACITOR,FIXED CERAMIC(High d	1UF 3216 50V 80%,-20% R/TP F(Y	
		C765	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C766	0CK105EK94A	CAPACITOR,FIXED CERAMIC(High d	1UF 3216 50V 80%,-20% R/TP F(Y	
		C767	0CH4331K416	CAPACITOR,CHIP[CERAMIC M/L TC	330P 50V J NP0 2.0X1.2 R/TP	
		C768	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C769	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C770	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C771	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C772	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C773	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C774	0CH1104K566	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 10% X7R(X) R/TP	
		C775	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C776	0CK105EK94A	CAPACITOR,FIXED CERAMIC(High d	1UF 3216 50V 80%,-20% R/TP F(Y	
		C777	0CH4331K416	CAPACITOR,CHIP[CERAMIC M/L TC	330P 50V J NP0 2.0X1.2 R/TP	
		C778	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C779	0CQ2242L439	CAPACITOR,POLYESTER	0.22UF S 63V J M/PE NI TP	
		C785	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C786	0CK105EK94A	CAPACITOR,FIXED CERAMIC(High d	1UF 3216 50V 80%,-20% R/TP F(Y	
		C788	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C789	0CQ2242L439	CAPACITOR,POLYESTER	0.22UF S 63V J M/PE NI TP	
		C790	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C791	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C792	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C793	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C794	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C795	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	

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		C796	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C797	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C798	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C799	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C79A	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C79B	0CQ6821N409	CAPACITOR,FIXED FILM	0.0068UF D 100V 5% PE TP5	
		C811	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C812	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C813	0CQ4742L439	CAPACITOR,POLYESTER	0.47UF S 63V J M/PE NI TP	
		C821	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C822	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C823	0CQ4742L439	CAPACITOR,POLYESTER	0.47UF S 63V J M/PE NI TP	
		C831	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C832	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C833	0CQ4742L439	CAPACITOR,POLYESTER	0.47UF S 63V J M/PE NI TP	
		C841	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C842	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C843	0CQ4742L439	CAPACITOR,POLYESTER	0.47UF S 63V J M/PE NI TP	
		C861	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C862	0CQ1041N409	CAPACITOR POLYESTER(MYLAR)	0.1U 100V J POLY TP	
		C863	0CQ4742L439	CAPACITOR,POLYESTER	0.47UF S 63V J M/PE NI TP	
		C871	0CQ4742L439	CAPACITOR,POLYESTER	0.47UF S 63V J M/PE NI TP	
		D110	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D111	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D114	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D116	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D117	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D118	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D201	0DR104009AB	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
⚠		IC101	0IMCRSA029A	IC,MICRO CONTROLLER	LC875747B-50T7 SANYO 64PIN QFP	
⚠		IC102	0IKE703100A	IC,KEC	KIA7031P 3P 3.1V RESET(TAPING)	
		IC103	0IKE703100A	IC,KEC	KIA7031P 3P 3.1V RESET(TAPING)	
		IC104	0IJR456000B	IC,JRC	NJM4560M-TE1-DMP,OP AMP.JRC	
		IC201	0ILNRCI003A	IC,LINEAR	CS493264-CLR CIRRUS LOGIC 44 P	
		IC205	0ICB533100A	IC,CRYSTAL SEMICONDUCTOR	CS5331A-KSR 8SOIC TP ADC -	
		IC206	0ICB841500B	IC,CRYSTAL SEMICONDUCTOR	CS8415A-CZR 28P TSSOP R/TP 96K	
		IC301	0ILNRPV001A	IC,LINEAR	PS9702B PULSUS 100 QFP TRAY 6C	
		IC710	0IPRPSG009A	IC,PERIPHERALS	STA505 SGS-THOMSON 36P SOP R/T	
		IC730	0IPRPSG009A	IC,PERIPHERALS	STA505 SGS-THOMSON 36P SOP R/T	
		IC750	0IPRPSG009A	IC,PERIPHERALS	STA505 SGS-THOMSON 36P SOP R/T	
		IC770	0IPRPSG009A	IC,PERIPHERALS	STA505 SGS-THOMSON 36P SOP R/T	
		JKS01	6620RCS002A	SOCKET (CIRC),DRAWING	PA1220601P DONGBO SPEAKER TERM	
⚠		L101	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
⚠		L102	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L103	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L104	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L201	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L202	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L203	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L204	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		L205	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L208	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L209	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L210	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L211	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L303	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L304	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		L305	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L308	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L310	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L700	6140RCC002A	COIL,CHOKE	20UH/6A BAR CORE 20UH KWANGS	
		L710	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L711	6140RCC003C	COIL,RF	8080P-13-220K KWANGSUNG DOMEST	
		L712	6140RCC003C	COIL,RF	8080P-13-220K KWANGSUNG DOMEST	
		L721	6140RCC003C	COIL,RF	8080P-13-220K KWANGSUNG DOMEST	
		L722	6140RCC003C	COIL,RF	8080P-13-220K KWANGSUNG DOMEST	
		L730	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L731	6140RCC003C	COIL,RF	8080P-13-220K KWANGSUNG DOMEST	
		L732	6140RCC003C	COIL,RF	8080P-13-220K KWANGSUNG DOMEST	
		L741	6140RCC003C	COIL,RF	8080P-13-220K KWANGSUNG DOMEST	
		L742	6140RCC003C	COIL,RF	8080P-13-220K KWANGSUNG DOMEST	
		L750	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L761	6140RCC003C	COIL,RF	8080P-13-220K KWANGSUNG DOMEST	
		L762	6140RCC003C	COIL,RF	8080P-13-220K KWANGSUNG DOMEST	
		L770	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L771	6140RCC004A	COIL,RF	8080P-18-100K KWANGSUNG 10UH,6	
		L781	6140RCC004A	COIL,RF	8080P-18-100K KWANGSUNG 10UH,6	
		R104	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R105	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R110	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R114	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R115	0RH1004C622	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 16 W 1608 5.00% D	
		R118	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R119	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R120	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R121	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R124	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R125	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R126	0RH0102C622	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R128	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R129	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R130	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R131	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R132	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R133	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R134	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R135	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R136	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R137	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R138	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R139	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R140	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R143	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R144	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R145	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R146	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R147	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R148	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R149	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R150	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R151	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R152	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R153	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R154	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		R155	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R156	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R157	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R158	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R159	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R160	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R163	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R164	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R165	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R166	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R167	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R168	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R169	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R170	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R171	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R172	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R198	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R202	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R203	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R204	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R205	0RH0102C622	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R206	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R207	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R208	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R209	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R210	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R211	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R212	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R213	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R214	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R215	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R216	0RH2700C622	RESISTOR,METAL GLAZED(CHIP)	270 OHM 1 / 16 W 1608 5.00% D	
		R217	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R225	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R226	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R228	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R229	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R230	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R231	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R232	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R233	0RH3302C622	RESISTOR,METAL GLAZED(CHIP)	33K OHM 1 / 16 W 1608 5.00% D	
		R234	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R235	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R236	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R237	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R238	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R239	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R240	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R241	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R242	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R250	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R251	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R252	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R253	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R256	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R257	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R258	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		R259	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R260	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R261	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R262	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R263	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R264	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R265	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R266	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R267	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R269	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R271	0RH0392C622	RESISTOR,METAL GLAZED(CHIP)	39 OHM 1 / 16 W 1608 5.00% D	
		R283	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R301	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R302	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R303	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R304	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R305	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R306	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R307	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R308	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R309	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R310	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R311	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R312	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R315	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R316	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R317	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R318	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R319	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R321	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R322	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R323	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R324	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R325	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R326	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R327	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R328	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R329	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R330	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R331	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R332	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R333	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R334	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R335	0RH0102C622	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R336	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R345	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R346	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R711	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R712	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R713	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R714	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R715	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R716	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R717	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R718	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R725	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R726	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		R727	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R728	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R731	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R732	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R733	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R734	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R735	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R736	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R737	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R738	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R745	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R746	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R747	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R748	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R751	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R752	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R753	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R754	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R765	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R766	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R767	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R768	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R771	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R772	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R773	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R775	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R776	0RD0472F608	RESISTOR,FIXED CARBON FILM	47 OHM 1/6 W 5% TA26	
		R777	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R778	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R779	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R787	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R788	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R789	0RH0561C622	RESISTOR,METAL GLAZED(CHIP)	5.6 OHM 1 / 16 W 1608 5.00% D	
		R790	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R791	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R798	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		X101	6212AA2983C	RESONATOR,CRYSTAL	HC-49S BUBANG 9.8304MHZ +/- 30	
		X201	6204R-HK01C	OSCILLATOR,STD	KXO-210 BUBANG AXIAL 12.288MHZ	

MODEL : DTE-550TE(SPEAKER)

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		850	3530RMM015B	GRILLE	DTEG-550TE PRESS L.SILVER SPRA	
		851	6400WETC01A	SPEAKER,WOOFER	08P60EHC1390J EAW WOOFER 8 OHM	
		851A	6400DBHX01A	SPEAKER,TWEETER	SN11AP06D BALHAE TWEETER(DOME)	
		852	3720RMF023A	PANEL,FRONT	FRONT FE-5600TE STANDARD	
		853	3110RM0008A	CASE	REAR FE-5600TE STANDARD	
		854	6871RU5771A	PWB(PCB) ASSEMBLY,SUBSET(AUDIO	NW ASSY FE-5620TE 1.5 UF NEGAT	
		857	3806RM0010C	DECO	PLATE DTEG-550TE LACQUER SPRAY	
		858	353M025U	SCREW,DRAWING	+2 D3.0 L27.0 MSWR3/FZB	

MODEL : DTE-5100WE(WOOFER SPEAKER)

S	AL	LOCA NO	PART NO(LG)	DESCRIPTION	SPECIFICATION	REMARKS
		951	3720RMF024B	PANEL,FRONT	FRONT FE-5600WE ZENITH	
		953	3091RMW030A	CABINET ASSEMBLY	FE-5600WE ALL PB12T	
		954	5208RM0004B	DUCT	MOLD FRONT DTEG-550WE STANDARD	
		955	6400WETN01A	SPEAKER,WOOFER	18P90EHC1391 EAW WOOFER 4 OHM	
		956	3701RM0021A	NET ASSEMBLY	NET ASSY FE-5620WE	
		957	6871RU3091C	PWB(PCB) ASSEMBLY,SUBSET(AUDIO	FE-5620WE HOUSING +AWG22 3.5M	
		959	353M050C	SCREW	BH 3.5X16 FBK	
		960	353M050M	SCREW,DRAWING	+2 D3.5 L10.0 MSWR3/FZY	
		961	4766RM0020A	FELT	EVA FE-5620WE DUCT BLACK	
		963	3610RM0005A	FOOT	EVA PHI 20 X 2T FE-986/886E ST	

MEMO